

Service
Service
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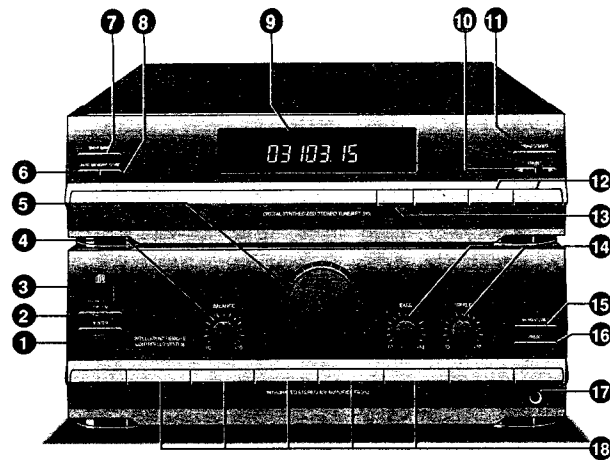
Service Manual

Contents	page
Specification	2
Connection & Controls	3 - 4
Dismantling of	
Power board	5
Tuner panel	6
Output panel	7
Source selector	8
Front panels	9
Handling chip component	10
Warnings	10
Wiring diagram of set	11 - 12
Power board	
Circuit diagram	13 - 14
Component lay out	15 - 17
Tuner	
Adjustment table	18
Component lay out	19 - 20
Circuit diagram	21 - 23
Digital front	
Circuit diagram	24 - 26
Component lay out	27 - 28
Pinning of FTD	29
Source selector	
Circuit diagram	30 - 32
Component lay out	33 - 34
Analog front	
Component lay out	35 - 36
Circuit diagram	37 - 38
Exploded view	39 - 40
Mechanical partslist	41
Electrical partslist	42 - 49

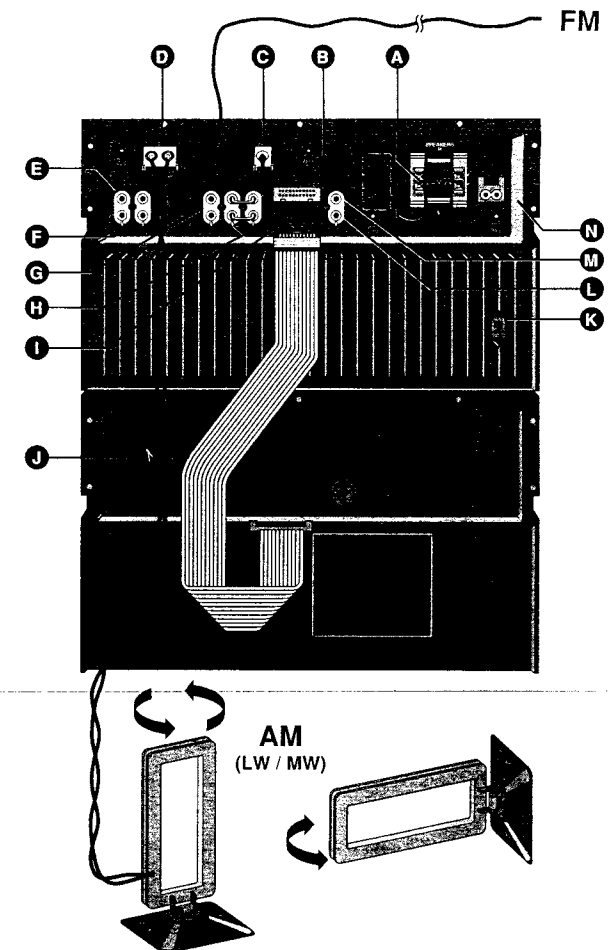
*Pour votre sécurité, ces documents
soient être utilisés par des spécia-
listes agréés, seuls habilités à réparer
votre appareil en panne*.



Connections & Controls



1) Power ON/OFF	1271	12) Frequ. UP/DOWN	1461/1465
2) Stand by	1463	13) Memory OPEN/CLOSE	1467
3) IR-eye	6441	14) Bass/Treble	3511/3512
4) Balance pot	3525	15) Surround	1501
5) Volume pot	3526	16) Bass expansion (DBB)	1502
Indicator LED	6001	17) Headphone	1400
6) Auto Memory	1462	18) Source selector	PHONO 1419
7) Wave band	1464		TUNER 1415
8) Auto scan	1466		CD 1416
9) FTD	1451		TAPE 1417
10) Preset UP/DOWN	1468/1471		TV 1418
11) Mono/Stereo	1469		



A) Speaker terminal	1272	H) Equalizer IN/OUT	15
B) Tape IN/OUT	1554	I) Holes to store equalizer bridges	
C) FM aerial 75Ω	1101	J) Connection to CCD310	
D) AM frame aerial	1102	K) Voltage selector (not in all versions)	
E) PHONO	1551	L) Easy link	1561
F) TV	1551	M) RC5	1561
G) Rec out	1553	N) Mains socket	1273

Specification

General:

Mains voltage	: 220V / 50Hz for /00, /02, /08
	: 240V / 50Hz for /05, /10
	: 230V / 50Hz for /01
	: 120V / 60Hz for /17
Power consumption	: ≤ 150W at 2x32W output power
	: ≤ 22W in stand by
Supply out (for CCD310)	: +14V stab.
	: +12V unstab.
	: -12V unstab.
	: 4,1V AC on -20V for FTD
	: -25V for FTD

Tuner:	FM	MW	LW
Tuning range	87,5 - 108 MHz	522 - 1611 kHz (not for /17) 530 - 1700 kHz (only for /17)	148 - 284 kHz
Aerial input	75 Ω (not for /17) 300 Ω (only for /17)	Frame aerial (pos 430)	Frame aerial (pos 430)
IF	10,7 MHz ± 25 kHz	450 kHz ± 1 kHz	450 kHz ± 1 kHz
Sensitivity	4 μV (2 μV typ.)	3 mV/m (2 mV/m typ.)	6 mV/m (not guaranteed above 250 kHz)
Image rejection ratio	30 dB (40 dB typ.)	27 dB (30 dB typ.)	40 dB (43 dB typ.)
-3 dB limiting point	5 μV (2 μV typ.)		

Amplifier:

Output power	: 2 x 32W at 8Ω	D=0,7% (from 63 Hz to 12,5 kHz)
	: 2 x 25W at 8Ω	D=0,09% (measured at 1 kHz)
	: 2 x 52W at 8Ω	
	: 6,3mm stereo jack	3V into 1kΩ 350mV into 8Ω
Power stage protection	: AC no	
	: DC yes	
	: Temperature no	
	: Shortcircuit yes	
Frequency response	: 20 Hz - 20 kHz	± 2 dB
Tone control	: Bass	from +10 dB to -10 dB ± 2 dB at 80 Hz
	: Treble	from +10 dB to -10 dB ± 2 dB at 10 kHz
Input sensitivity	: CD	350 mV
	: TV	200 mV
	: PHONO	2,5 mV
	: TAPE	580 mV
	: Equal.	250 mV
Output voltage	: TAPE	250 mV
	: Equal.	250 mV
	: Rec out	250 mV

DISMANTLING OF POWER BOARD

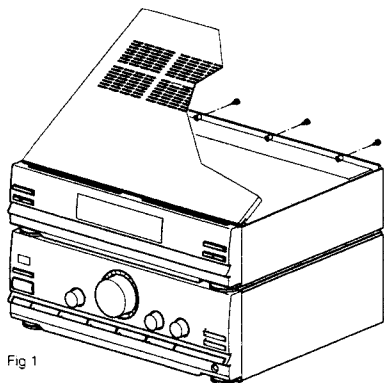


Fig 1

- 1) Loosen 3x Torx 10 screws (see figure 1).
- 2) Remove top (see figure 1).
- 3) Loosen 9x Torx 10 screws and 6x Torx M4x10 on rear part (see figure 2).
- 4) Remove Power lever (pos 417). Only snapped on power switch.
- 5) Bring the upper rear part in an upright position (see figure 3).
- 6) Loosen 5 screws (3x Torx M4x10, 2x Torx 10).

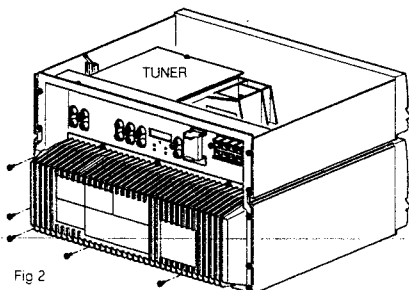


Fig 2

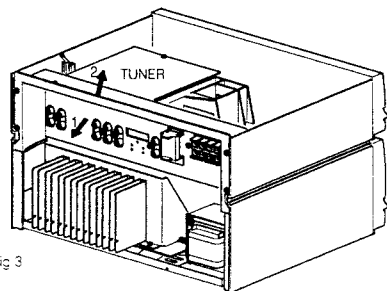


Fig 3

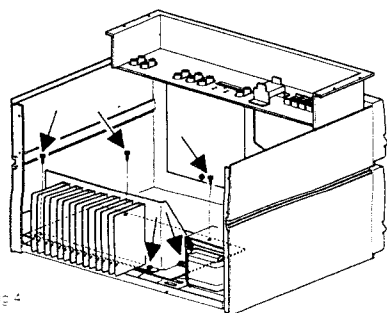


Fig 4

DISMANTLING OF TUNER PANEL

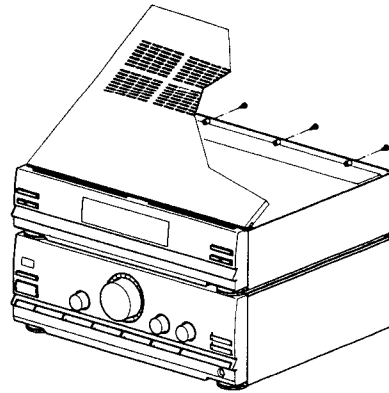


Fig 1

- 1) Loosen 3x Torx 10 screws (see figure 1).
- 2) Remove top (see figure 1).
- 3) Loosen 4x Torx 10 screws on aerial terminals (see figure 2).
- 4) Loosen 1x Torx 10 on printed circuit board (see figure 3).
- 5) Bend the hidden snaps (shown in fig. 2) with a small screw driver sideways while pulling the PCB as shown in figure 3.

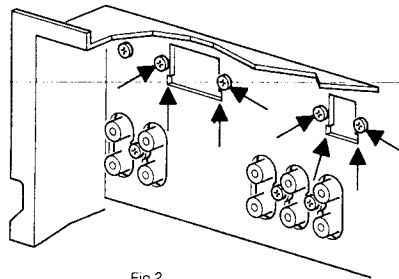


Fig.2

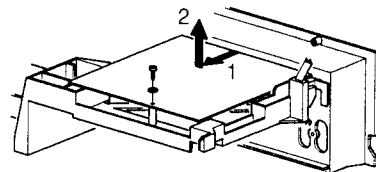


Fig 3

EVA.01199
T05-045

DISMANTLING OF OUTPUT PANEL

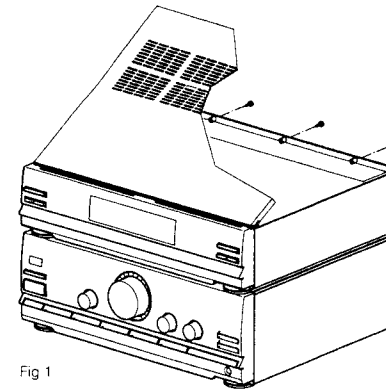


Fig 1

- 1) Loosen 3x Torx 10 screws (see figure 1).
- 2) Remove top (see figure 1).
- 3) Remove Power lever (pos 417). Only snapped on power switch.
- 4) Remove 3x Torx 10 (see figure 2).
- 5) Remove PCB as shown in figure 3.

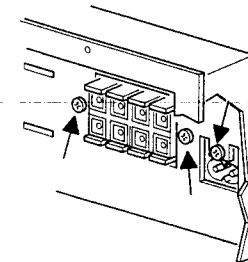


Fig 2

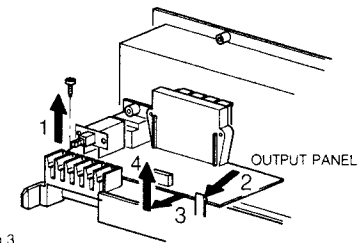
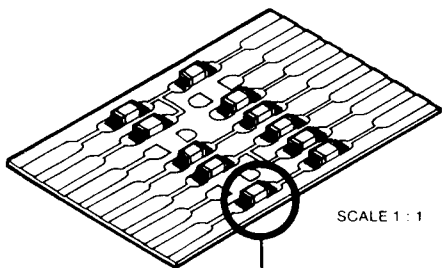


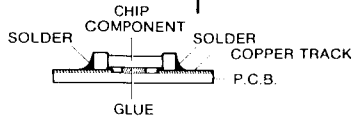
Fig 3

EVA.01206
T28/047

GENERAL

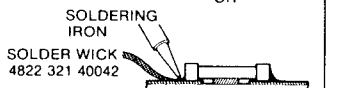
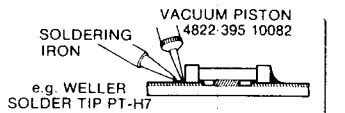


SCALE 1:1

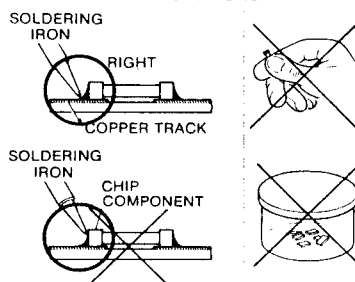


SERVICE PACKAGE

DISMOUNTING

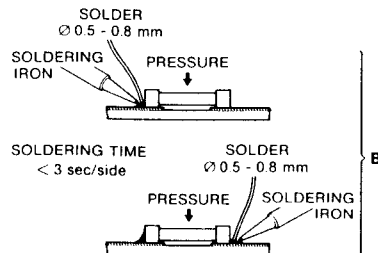


PRECAUTIONS

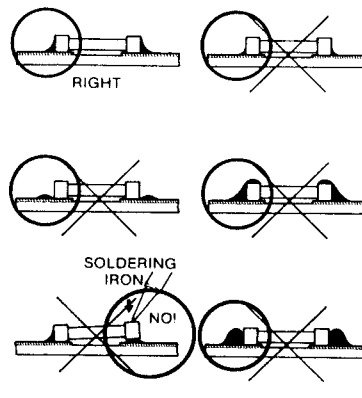


MOUNTING

e.g. A PAIR OF TWEEZERS



EXAMPLES



27 012C12

GB WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ESD



NL WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD). Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat. Houd componenten en hulpmiddelen ook op hetzelfde potentiaal.

F ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation. Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité. Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

D WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegen elektrostatische Entladungen (ESD). Unsorgfältige Behandlung bei der Reparatur kann die Lebensdauer drastisch vermindern. Sorgen Sie dafür, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind. Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

I AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD). La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza. Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

DISMANTLING OF SOURCE SELECTOR

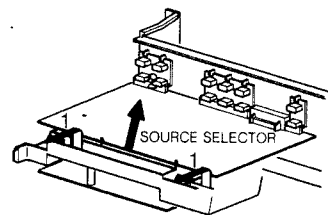
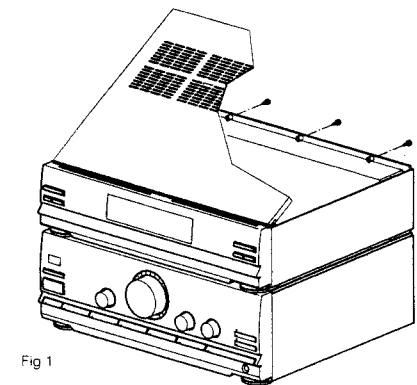


Fig 5

- 1) Loosen 3x Torx 10 screws (see figure 1).
- 2) Remove top (see figure 1).
- 3) Loosen 9x Torx 10 screws and 6x Torx M4x10 on rear part (see figure 2).
- 4) Remove Power lever (pos 417). Only snapped on power switch.
- 5) Bring the upper rear part in an upright position (see figure 3).
- 6) Loosen 5x Torx 10 screws (see figure 4). Remove equalizer bridges.
- 7) Loosen two snaps (see figure 5) and remove PCB.

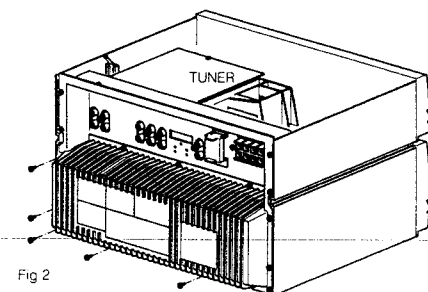


Fig 2

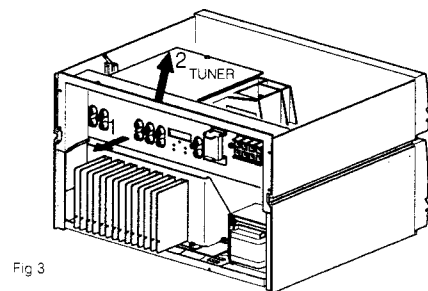


Fig 3

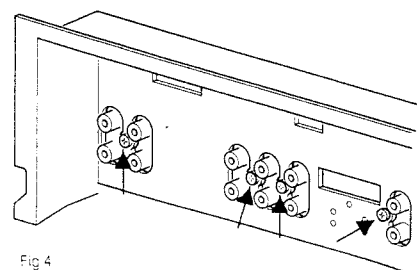


Fig 4

ACCESS TO FRONT PANELS

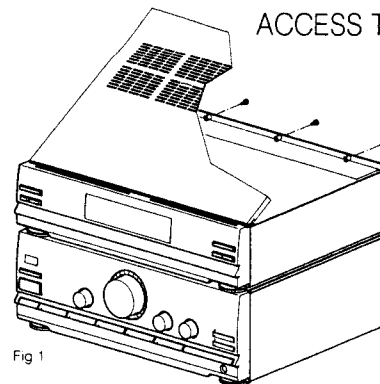


Fig 1

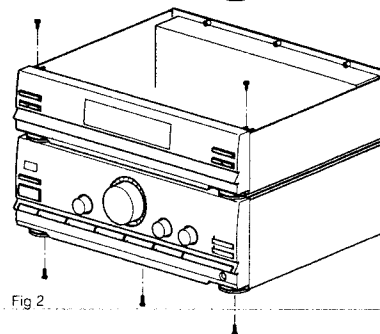


Fig 2

- 1) Loosen 3x Torx 10 screws (see figure 1).
- 2) Remove top (see figure 1).
- 3) Loosen 2x Torx 10 - front/side panels (see figure 2).
- 4) Loosen 3x Torx M4x10 on bottom (see figure 2).
- 5) Loosen two snaps on side panels (see figure 3).

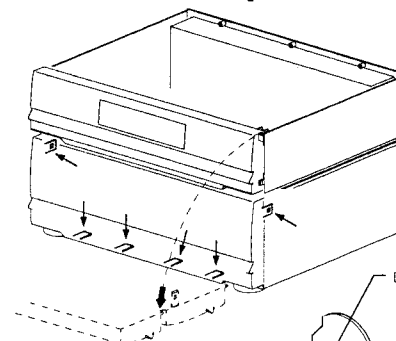
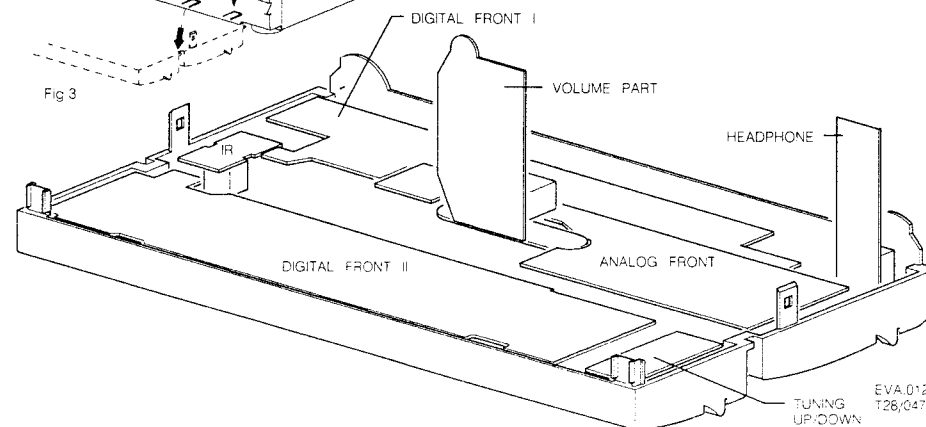
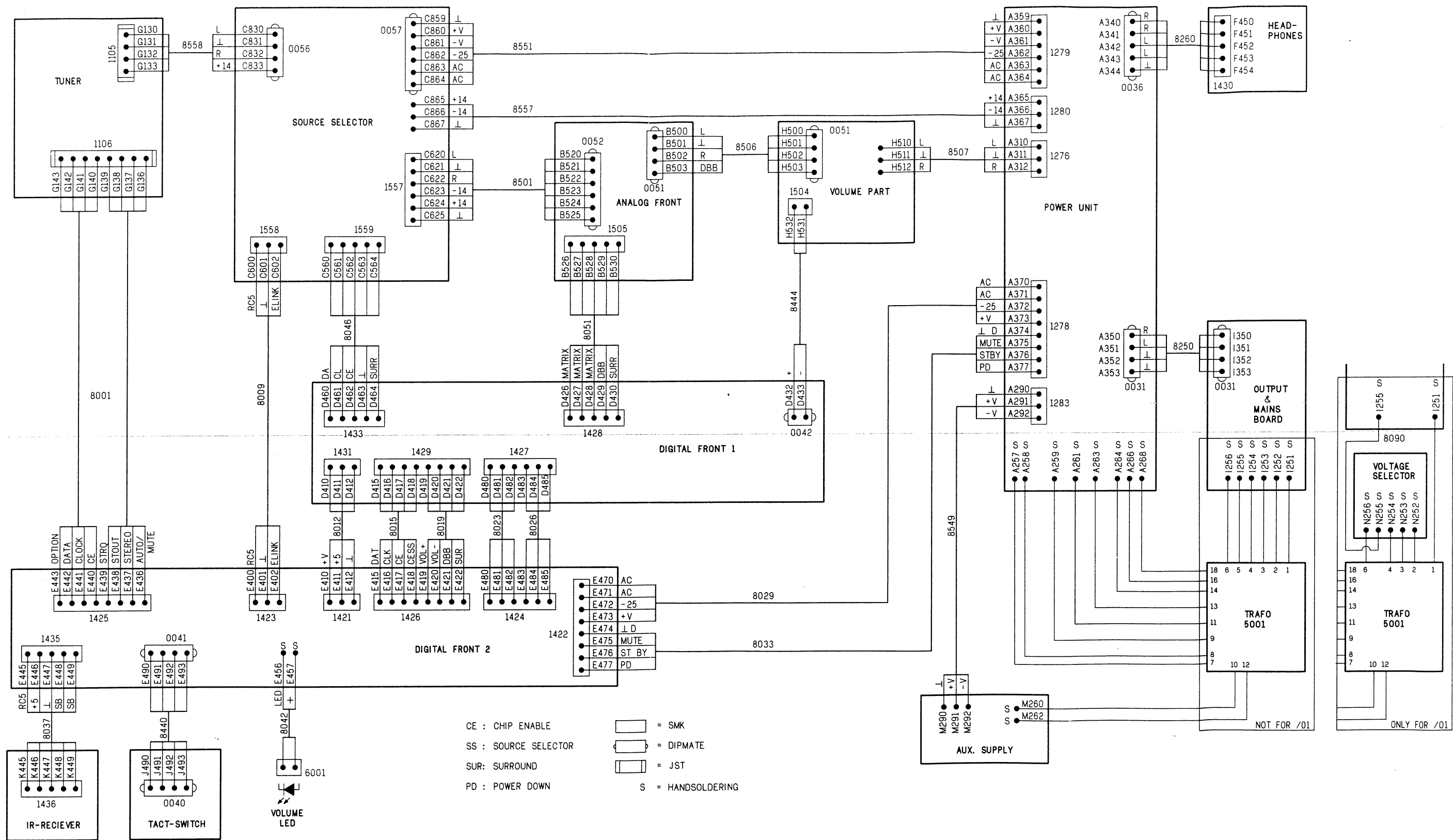


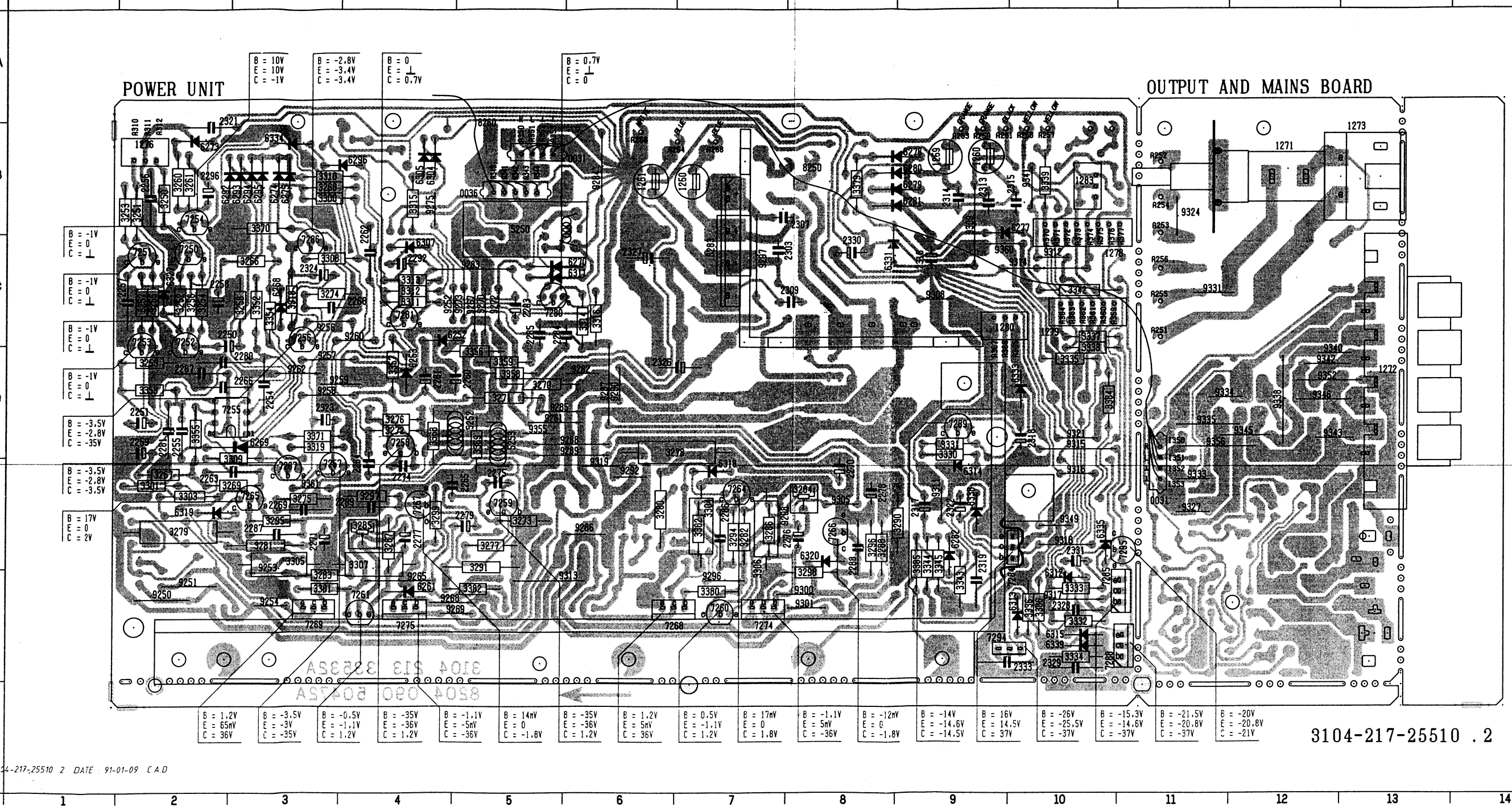
Fig 3



WIRING DIAGRAM

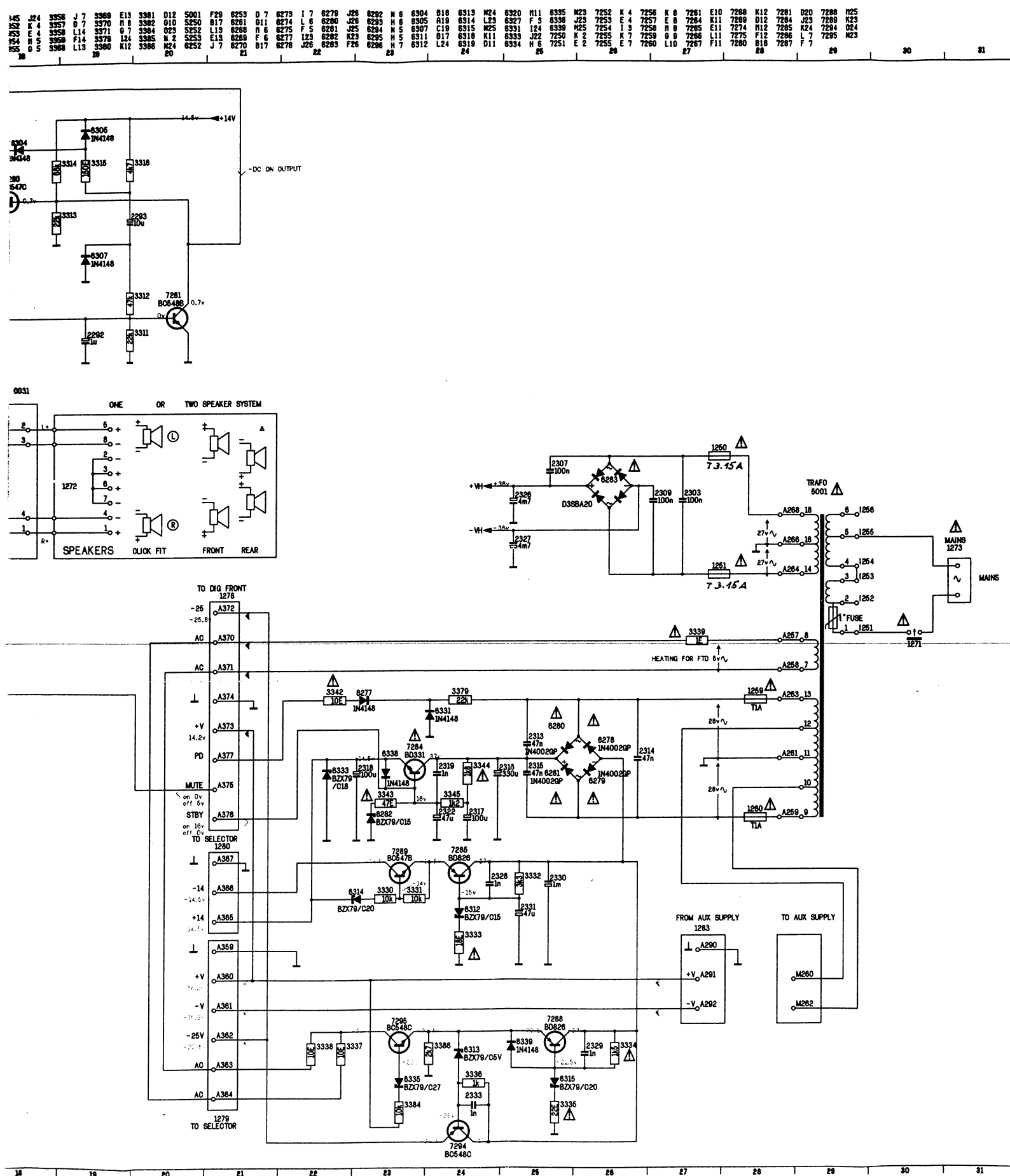


0031	E11	1273	B13	2255	D 2	2264	E 4	2275	E 5	2286	E 7	2309	C 8	2322	E 9	2333	F10	3258	C 3	3271	D 5	3280	E 6	3290	F 9	3301	E 2	3310	B 3	3330	F 9	3339	B10	3356	D 5	3380	F 7	6252	C 5	6277	B10	6294	B 3	6314	E 9	6335	E10	7256	C 3	7267	E 4	7286	C 3	9251	F 2	9262	D 3	9281	D 5	9290	D 6	9309	B 9	9319	E 6	9340	D12	9356	D11
0031	B 6	1276	B 2	2256	B 2	2265	D 3	2276	E 4	2287	E 3	2313	B 9	2323	D 3	3250	B 2	3259	D 2	3272	D 4	3281	E 3	3291	F 5	3302	E 7	3311	C 4	3331	D 9	3342	C10	3357	D 4	3381	F 3	6253	D 4	6278	B 9	6295	B 3	6315	F10	6338	E 9	7257	E 3	7268	F 7	7287	E 3	9252	C 4	9265	F 4	9282	D 6	9292	E 6	9311	E 9	9321	D10	9341	B10	9360	C 9
0036	B 5	1278	C10	2257	C 2	2266	D 3	2277	E 4	2288	E 8	2314	B 9	2324	C 3	3251	B 2	3260	B 2	3273	E 3	3282	E 7	3294	F 7	3303	E 2	3312	C 4	3332	F10	3343	F 9	3358	D 5	3382	F 5	6261	F 4	6279	B 9	6296	B 4	6318	E 7	6339	F10	7258	D 4	7269	F 3	7288	F10	9253	F 3	9267	C 5	9283	C 5	9296	F 7	9312	C10	9324	B11	9342	D12	9361	E 3
1250	B 7	1279	C10	2258	C 2	2267	D 2	2278	E 8	2289	E 4	2315	B10	2326	D 6	3252	C 2	3261	B 2	3274	C 3	3283	F 3	3295	E 3	3304	E 7	3313	C 4	3333	F10	3344	E 9	3359	D 5	3384	D10	6268	C 3	6280	B 9	6304	B 4	6319	E 2	7250	C 2	7259	E 5	7274	F 7	7289	D 9	9254	F 3	9268	F 4	9284	B 6	9297	C 7	9313	F 6	9327	E11	9343	D12		
1251	B 6	1280	C 9	2259	D 2	2268	C 4	2279	E 5	2292	C 4	2316	C 9	2327	C 6	3253	C 2	3266	C 3	3275	E 3	3284	E 8	3296	E 4	3305	E 3	3314	C 6	3334	F10	3345	E 9	3368	D 4	3385	E 9	6269	D 3	6281	B 9	6305	B 4	6320	E 8	7251	C 2	7260	F 7	7275	F 4	7294	F 9	9256	C 3	9269	F 5	9285	D 5	9298	E 8	9314	C10	9331	C11	9345	D12		
1259	B 9	1283	B10	2260	D 5	2269	E 3	2280	D 3	2293	C 5	2317	E 9	2328	F10	3254	C 2	3267	E 2	3276	D 4	3285	E 4	3297	E 4	3306	E 7	3315	B 4	3335	D10	3352	C 3	3369	D 5	3386	F10	6270	C 6	6282	E 9	6307	C 4	6327	C 2	7252	C 2	7261	F 4	7280	C 5	7295	E11	9257	D 3	9270	C 5	9286	E 6	9300	F 8	9315	D10	9333	E11	9346	D12		
1260	B 9	2250	C 2	2261	D 4	2270	E 3	2281	D 2	2296	B 2	2318	D10	2329	F10	3255	C 2	3268	B 3	3277	E 5	3286	E 7	3298	F 8	3307	E 4	3316	C 6	3336	F10	3353	D 2	3370	B 3	3387	D 5	6273	B 2	6283	C 7	6311	C 6	6331	C 8	7253	C 2	7264	E 7	7281	C 4	8250	B 8	9258	D 3	9272	C 5	9287	D 6	9301	F 8	9316	E10	9334	D11	9349	E10		
1271	B12	2251	D 2	2262	B 4	2271	E 3	2284	C 5	2303	C 8	2319	E 9	2330	C 8	3256	C 2	3269	E 3	3278	D 7	3287	E 8	3299	E 4	3308	C 3	3318	C 3	3337	C10	3354	D 3	3371	D 3	3388	D 5	6274	B 3	6292	B 2	6312	F10	6334	D10	7254	B 2	7265	E 3	7284	F10	8260	B 5	9259	D 3	9273	C 5	9288	D 6	9305	E 8	9317	F10	9335	D11	9352	D12		
1272	D13	2254	D 3	2263	E 2	2274	E 2	2285	C 5	2307	B 8	2321	B 2	2331	E10	3257	C 2	3270	D 5	3279	E 2	3288	E 8	3300	B 3	3309	E 3	3319	D 3	3338	D10	3355	D 2	3379	B 8	3388	D 5	6275	B 3	6293	B 3	6313	F10	6334	B 3	7255	D 3	7266	E 8	7285	F10	9250	F 2	9260	C 4	9275	B 4	9289	D 6	9308	C 9	9318	E10	9338	D12	9355	D 5		



3104-217-25510 2 DATE: 91-01-09 C.A.D.

POWER UNIT

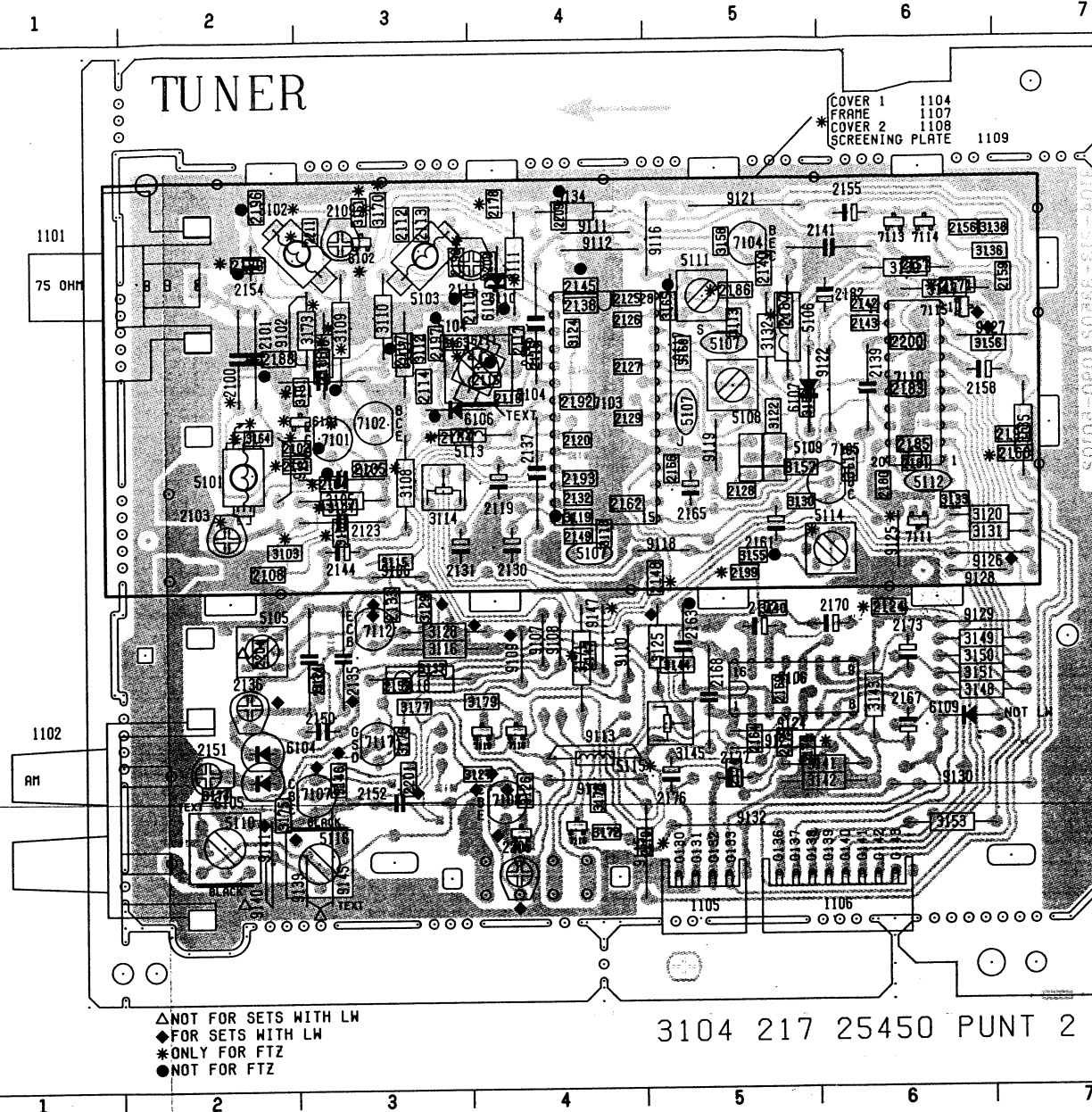


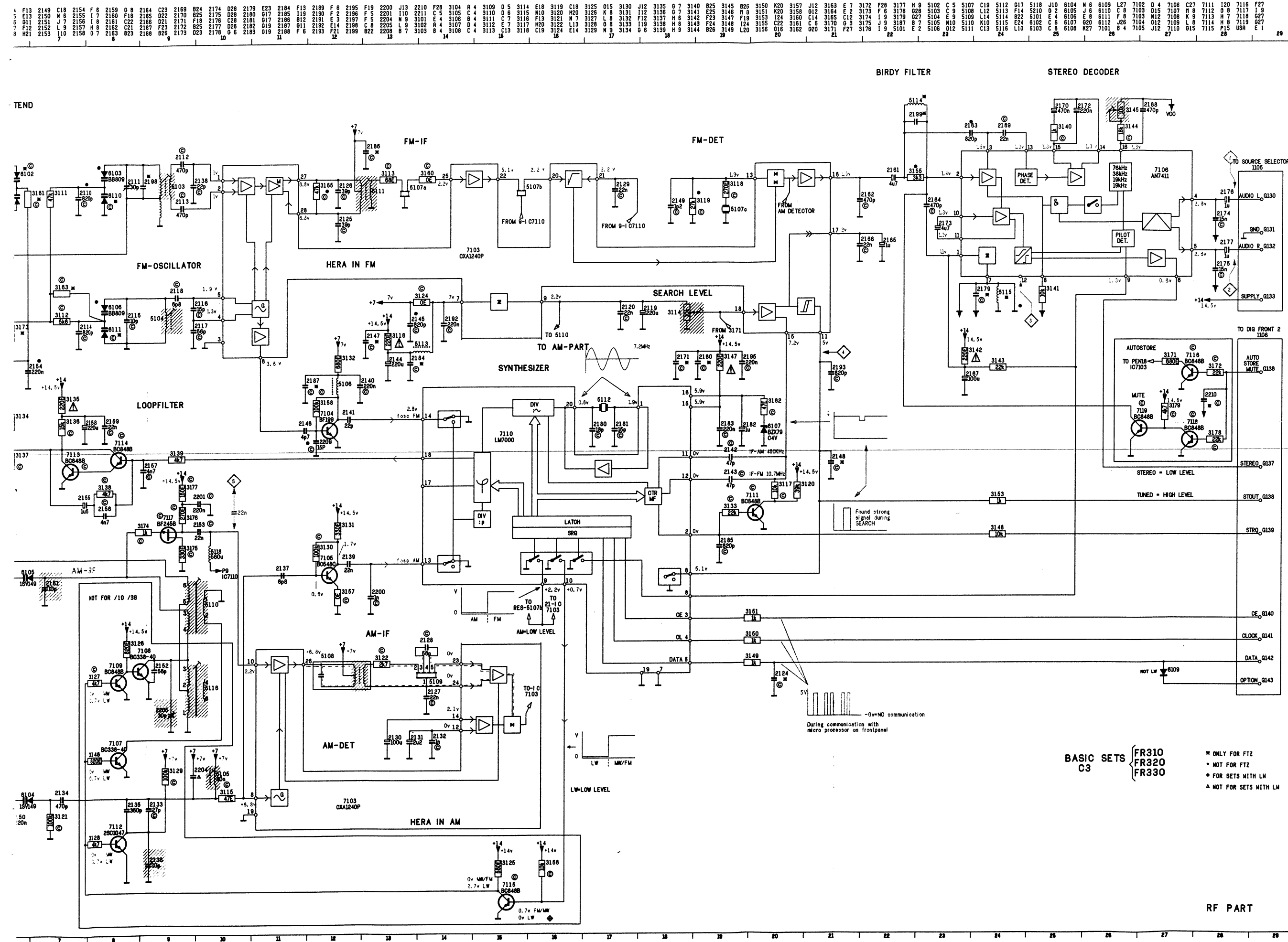
TUNER Adjustment table

Waverrange	Input frequency	Input	Set tuned to	Adjust	Output	Scope / Voltmeter
VARICAP ALIGNMENT						
FM 87,5 - 108 MHz			108 MHz	5104	1	8V ± 50 mV
			87,5 MHz	check		2,7V ± 400 mV
AM (2-band version) 530 - 1700 kHz ¹⁾			1700 kHz	2136		7,6V ± 100 mV
			530 kHz	check		1V ± 200 mV
LW 148 - 284 kHz			284 kHz	5105		8,4V ± 200 mV
MW (3-band version) 522 - 1611 kHz ²⁾			1611 kHz	2136		8,5V ± 100 mV
FM - RF ³⁾						
FM	87,5 MHz mod = 1 kHz Δf = 22,5 kHz	A	87,5 MHz	5103	2	max.
				5101 ⁴⁾ 5102 ⁴⁾		
	108 MHz mod = 1 kHz Δf = 22,5 kHz		108 MHz	2111		
				2102 ⁴⁾ 2109 ⁴⁾		
FM - IF						
FM	108 MHz Δf = 500 kHz as low as possible		108 MHz	5111		symmetrical and max. height
STEREO DECODER						
FM	98 MHz carrier 1 mV	A	98 MHz	3145	3	19 kHz ± 50 Hz
SEARCH SENSITIVITY						
FM	98 MHz carrier 12 μV	A	98 MHz	3114	4	adjust so that voltage switches from low to high
FM	98 MHz carrier 15 μV	A	99 MHz or 97 MHz	check		press DOWN or UP and check that set stops at 98 MHz
FM Autostore ⁵⁾	98 MHz carrier 350 μV	A	99 MHz or 97 MHz	check		press DOWN or UP and check that set stops at 98 MHz
AM - IF						
MW	522 kHz ⁶⁾ Δf = 10 kHz as low as possible	B via 100nF	522 kHz	5108	2	symmetrical and max. height
AM - RF						
MW mod = 1 kHz 30% AM	558 kHz	C	558 kHz	5110	2	max.
	1494 kHz		1494 kHz	2151		
LW mod = 1 kHz 30% AM	155 kHz		155 kHz	5116		max.
	270 kHz		270 kHz	2205		

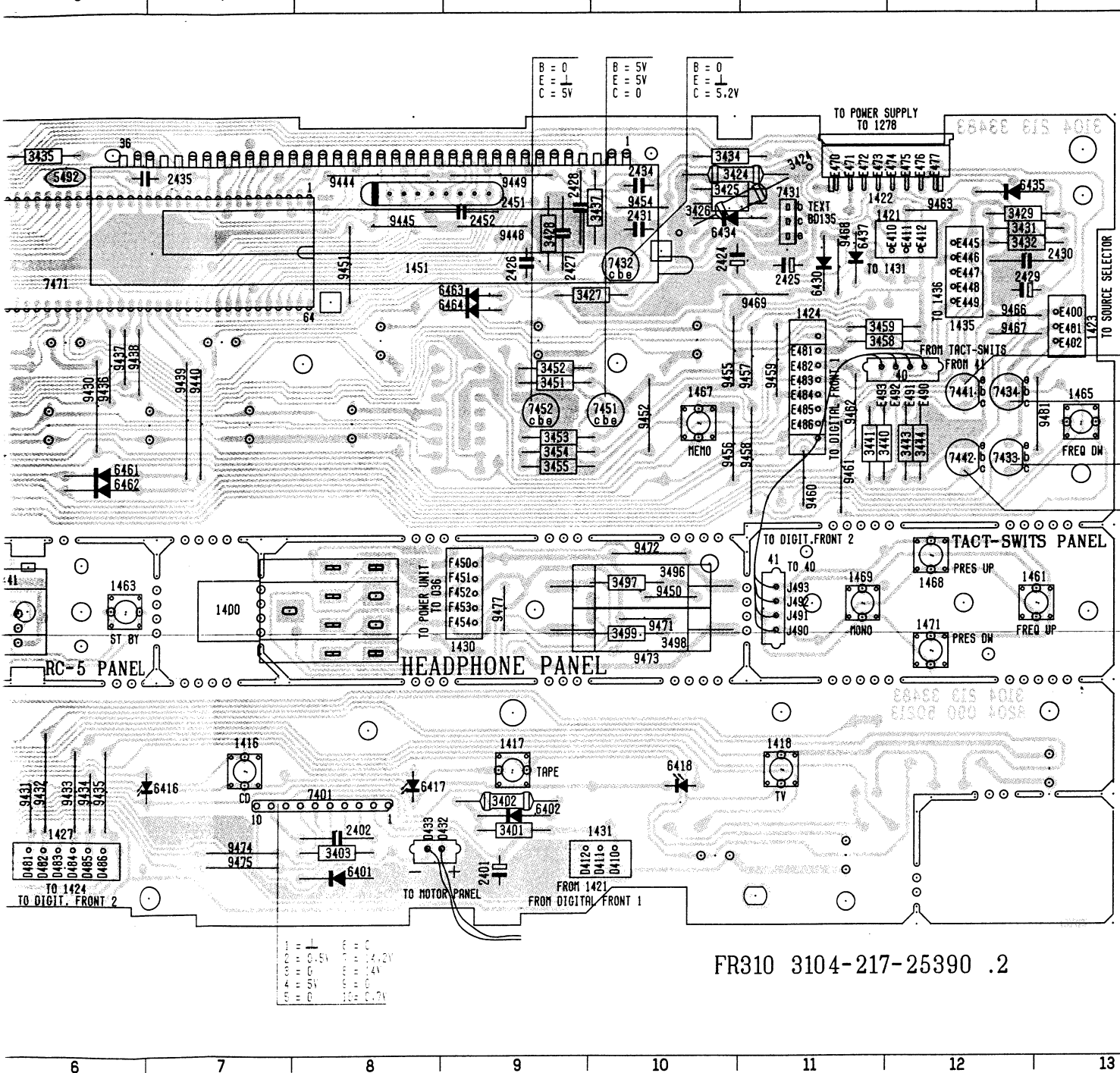
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 1102 D 1 2162 C 4 3122 C 5 5113 C 4 9147 D 4
 1105 E 5 2163 D 5 3124 B 4 5114 C 6
 1106 E 6 2164 D 5 3125 D 5 5115 E 4
 2100 B 2 2165 C 5 3126 E 4 5116 E 3
 2101 B 2 2166 C 5 3127 E 4 5118 D 3
 2102 C 3 2167 D 6 3128 D 3 6101 C 3
 2103 C 2 2168 D 5 3129 D 3 6102 B 3
 2104 C 3 2169 D 5 3130 C 5 6103 B 4
 2105 C 3 2170 D 6 3131 C 6 6104 E 3
 2106 B 3 2171 B 6 3132 B 5 6105 E 2
 2107 B 3 2172 D 5 3133 C 6 6106 C 4
 2108 D 2 2173 D 6 3134 A 4 6107 C 5
 2109 A 3 2174 E 5 3135 C 7 6109 D 6
 2110 B 4 2175 E 5 3136 B 7 6110 B 4
 2111 B 3 2176 E 5 3137 D 3 6111 B 4
 2112 B 3 2177 E 5 3138 B 7 7101 C 3
 2113 B 3 2178 A 4 3139 B 6 7102 C 3
 2114 B 3 2179 E 5 3140 D 5 7103 C 4
 2115 B 4 2180 C 6 3141 A 6 7104 B 5
 2116 B 4 2181 C 6 3142 E 6 7105 C 6
 2117 B 4 2182 B 6 3143 D 6 7106 D 5
 2118 C 4 2183 C 6 3144 D 5 7107 E 4
 2119 C 4 2184 C 6 3145 E 5 7108 E 3
 2120 C 4 2185 C 6 3146 E 3 7109 E 4
 2121 C 3 2186 B 5 3147 B 6 7110 B 6
 2122 C 3 2187 B 5 3148 D 6 7111 C 6
 2123 C 3 2188 B 2 3149 D 6 7112 D 3
 2124 D 6 2189 B 2 3150 D 6 7113 B 6
 2125 B 4 2191 C 3 3151 D 6 7114 B 6
 2126 B 4 2192 C 4 3153 E 6 7115 B 6
 2127 B 4 2193 C 4 3155 C 5 7116 E 4
 2128 C 5 2195 C 7 3156 B 6 7117 E 3
 2129 C 4 2196 A 2 3157 C 5 7118 E 4
 2130 D 4 2197 B 3 3158 B 5 7119 E 4
 2131 D 3 2198 B 3 3160 B 5 9101 C 3
 2132 C 4 2199 D 5 3161 A 3 9102 B 2
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 2134 D 3 2201 E 3 3163 B 3 9107 D 4
 2135 D 3 2204 D 2 3164 C 2 9108 D 4
 2136 D 2 2205 E 4 3165 E 5 9109 D 4
 2137 C 4 2208 B 4 3170 A 3 9110 D 4
 2138 B 4 2209 A 4 3171 D 4 9111 B 4
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 2140 B 5 2211 B 3 3173 B 3 9113 E 4
 2141 B 6 3101 B 3 3174 E 2 9114 E 4
 2142 B 6 3102 C 3 3175 E 2 9115 E 4
 2143 B 6 3103 C 2 3176 D 3 9116 B 5
 2144 D 3 3104 C 3 3177 D 3 9117 B 5
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3104-217-25450 2 DATE: 91-01-09 C.A.D



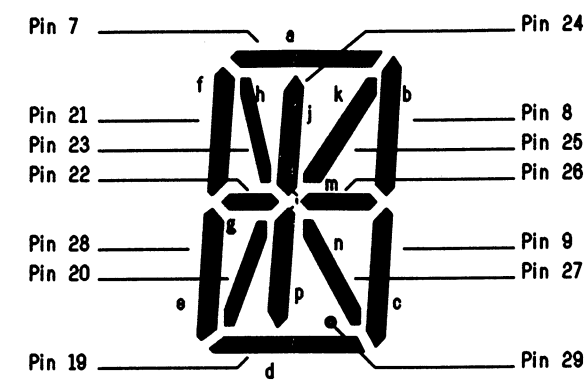
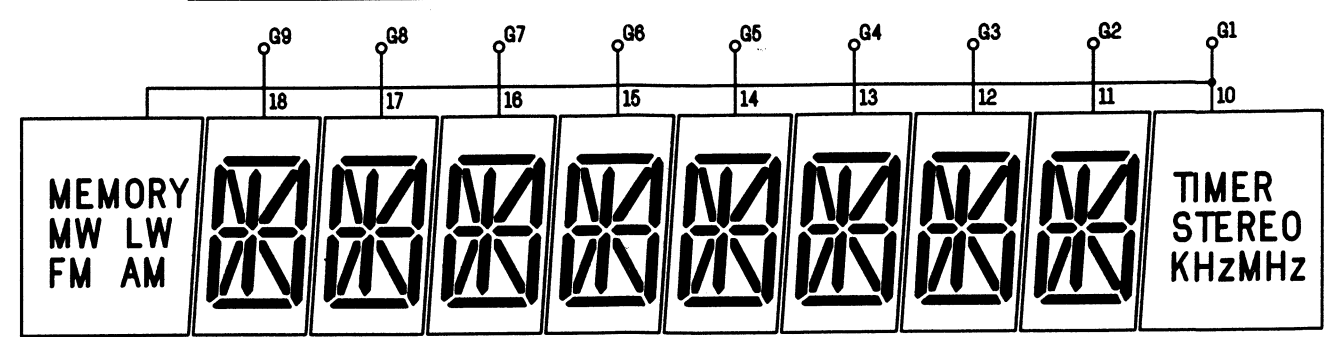


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GRID ASSIGNMENT



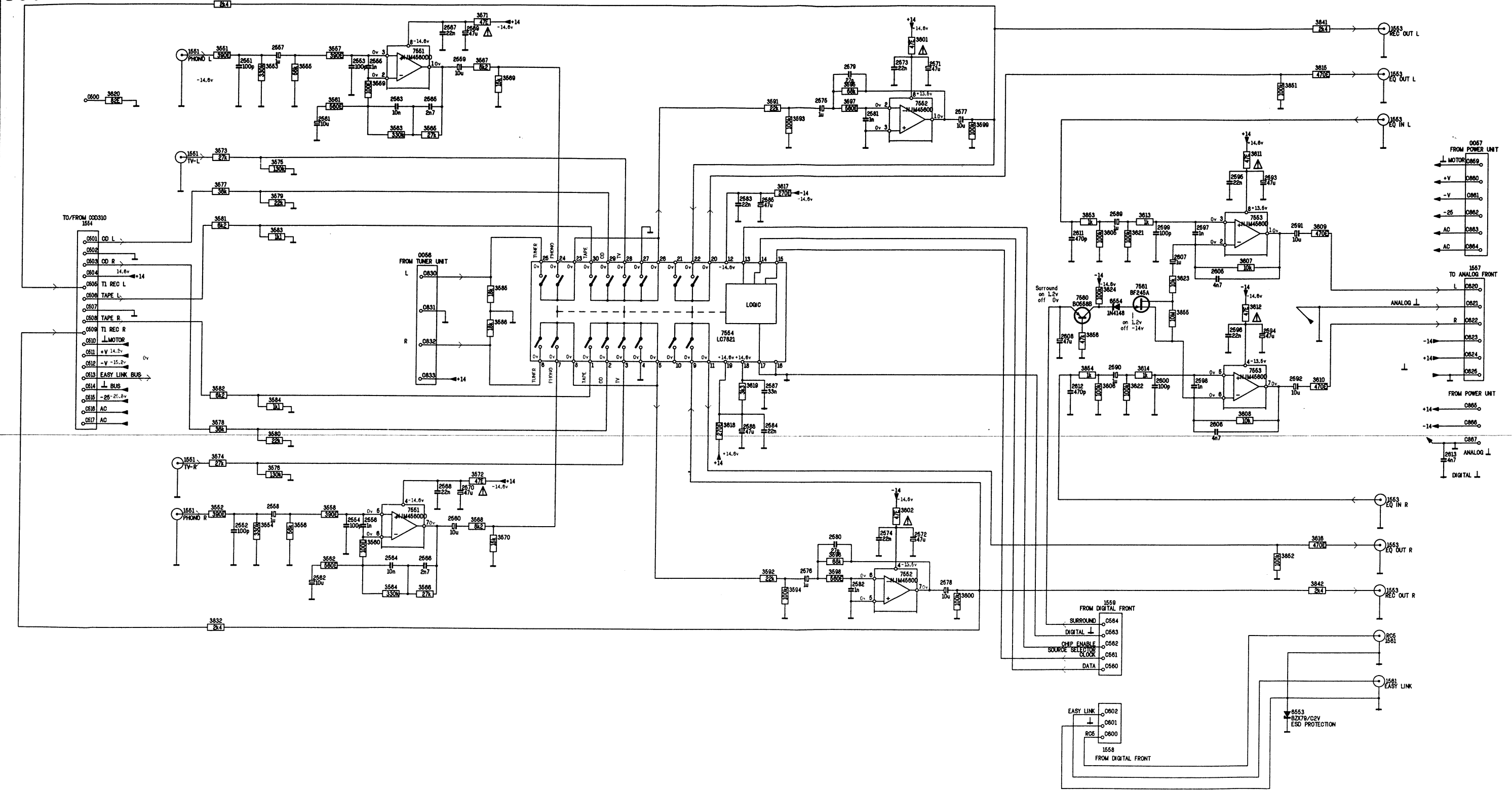
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CONNECTION	F 2	F 2	N P	N P	N C	P 15	P 14	P 13	P 12	P 11	P 10	P 9	P 8	P 7	P 6	P 5	P 4	G 9	G 8	G 7	G 6	G 5	G 4	G 3	G 2	G 1	P 3	P 2	P 1	N C	N C	N P	N P	F 1	F 1

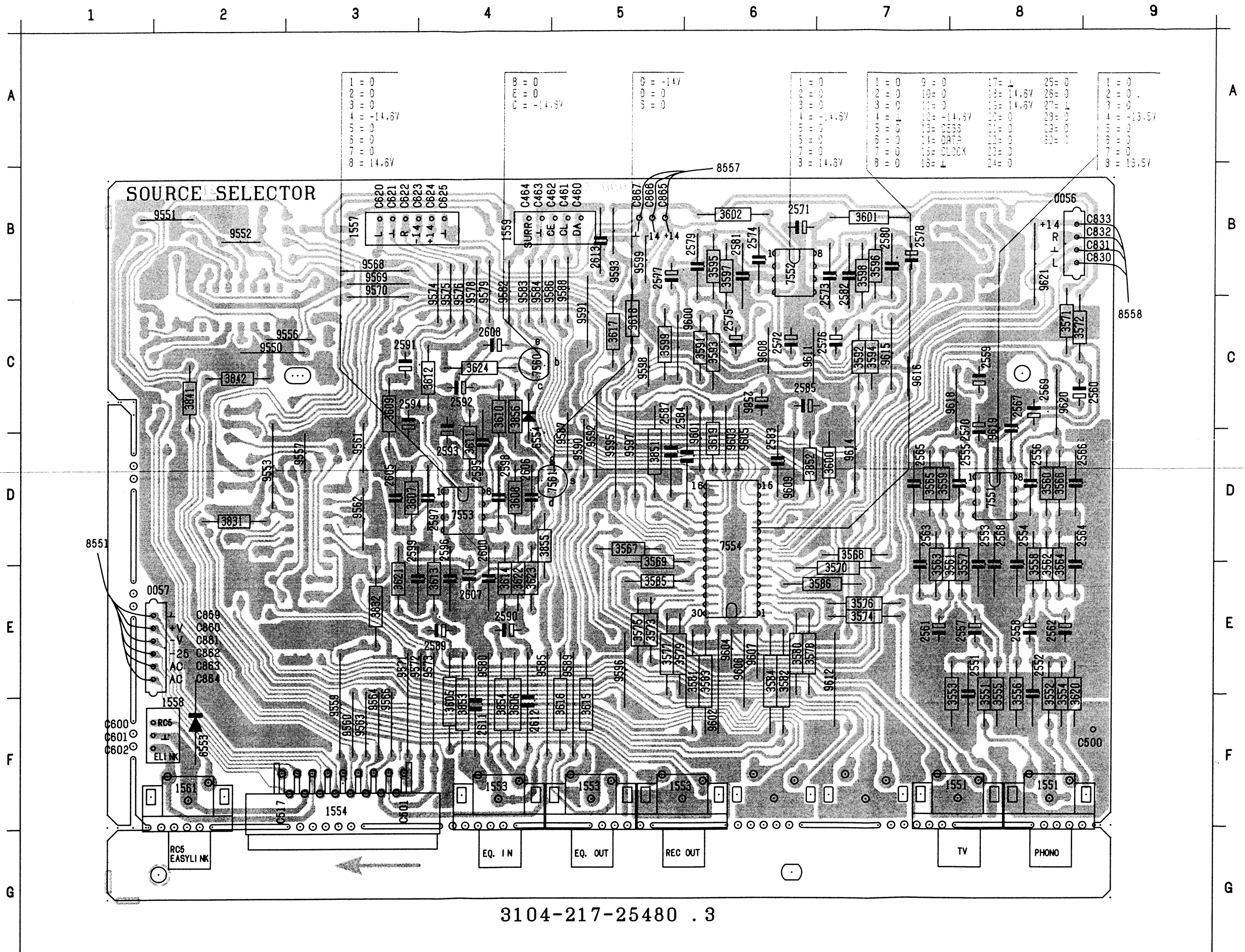
ANODE CONNECTION

	G9	G8	G7	G6	G5	G4	G3	G2	G1
P1	a	a	a	a	a	a	a	a	TIMER
P2	b	b	b	b	b	b	b	b	STEREO
P3	c	c	c	c	c	c	c	c	kHz
P4	d	d	d	d	d	d	d	d	MHz
P5	e	e	e	e	e	e	e	e	MEMORY
P6	f	f	f	f	f	f	f	f	MW
P7	g	g	g	g	g	g	g	g	LW
P8	h	h	h	h	h	h	h	h	FM
P9	i,p	i,p	i,p	i,p	i,p	i,p	i,p	i,p	AM
P10	k	k	k	k	k	k	k	k	-
P11	m	m	m	m	m	m	m	m	-
P12	n	n	n	n	n	n	n	n	-
P13	r	r	r	r	r	r	r	r	-
P14	.	.	.	.	.	.(lower)	.	.	-
P15	-	-	-	-	-	-(upper)	-	-	-

SOURCE SELECTOR

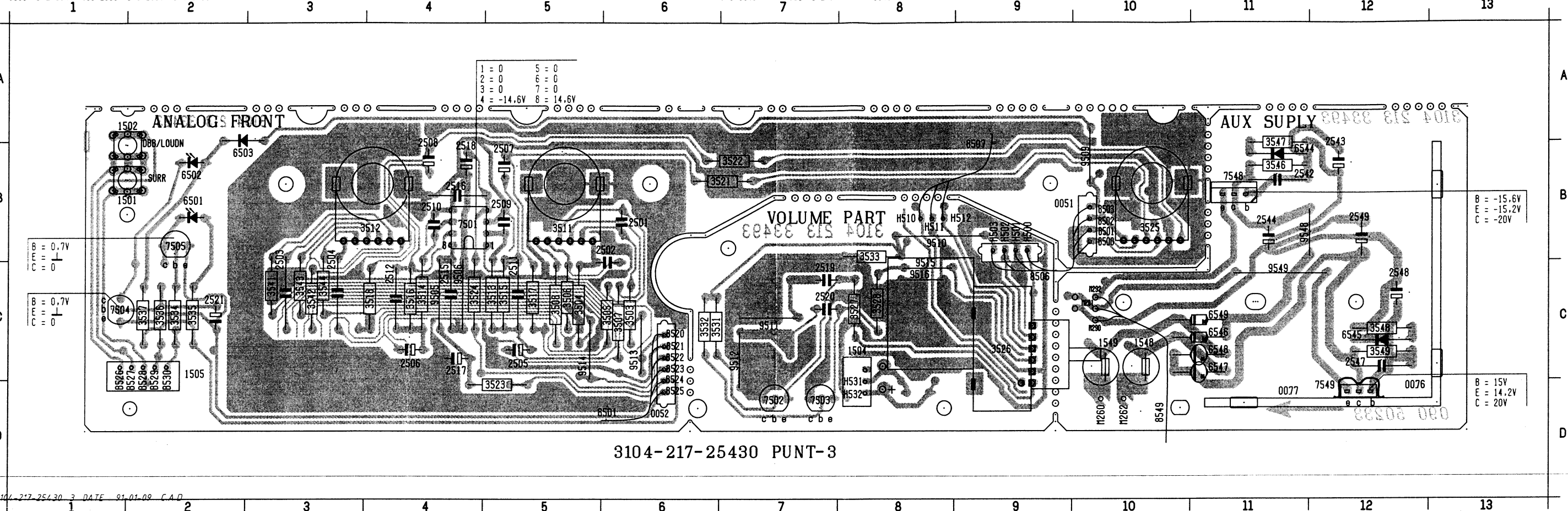


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 1559 B 4 3568 D 7 9559 F 3
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 2558 E 8 3577 E 5 9570 B 3
 2559 C 8 3578 E 6 9571 E 3
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 2574 B 6 3597 B 6 9588 B 5
 2575 C 6 3598 B 7 9589 E 5
 2576 C 7 3599 C 5 9590 D 5
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 2593 D 4 3617 C 5 9607 E 6
 2594 C 3 3618 C 5 9608 C 6
 2595 D 4 3619 D 6 9609 D 6
 2596 D 4 3620 E 8 9611 C 6
 2597 D 4 3621 E 3 9612 E 7
 2598 D 4 3622 E 4 9614 D 7
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 2600 D 4 3624 C 4 9616 C 7
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 2606 D 4 3832 E 3 9619 C 8
 2607 E 4 3841 C 2 9620 C 8
 2608 C 4 3842 C 2 9621 B 8
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 2612 F 4 3852 D 6
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 3551 E 8 3854 F 4
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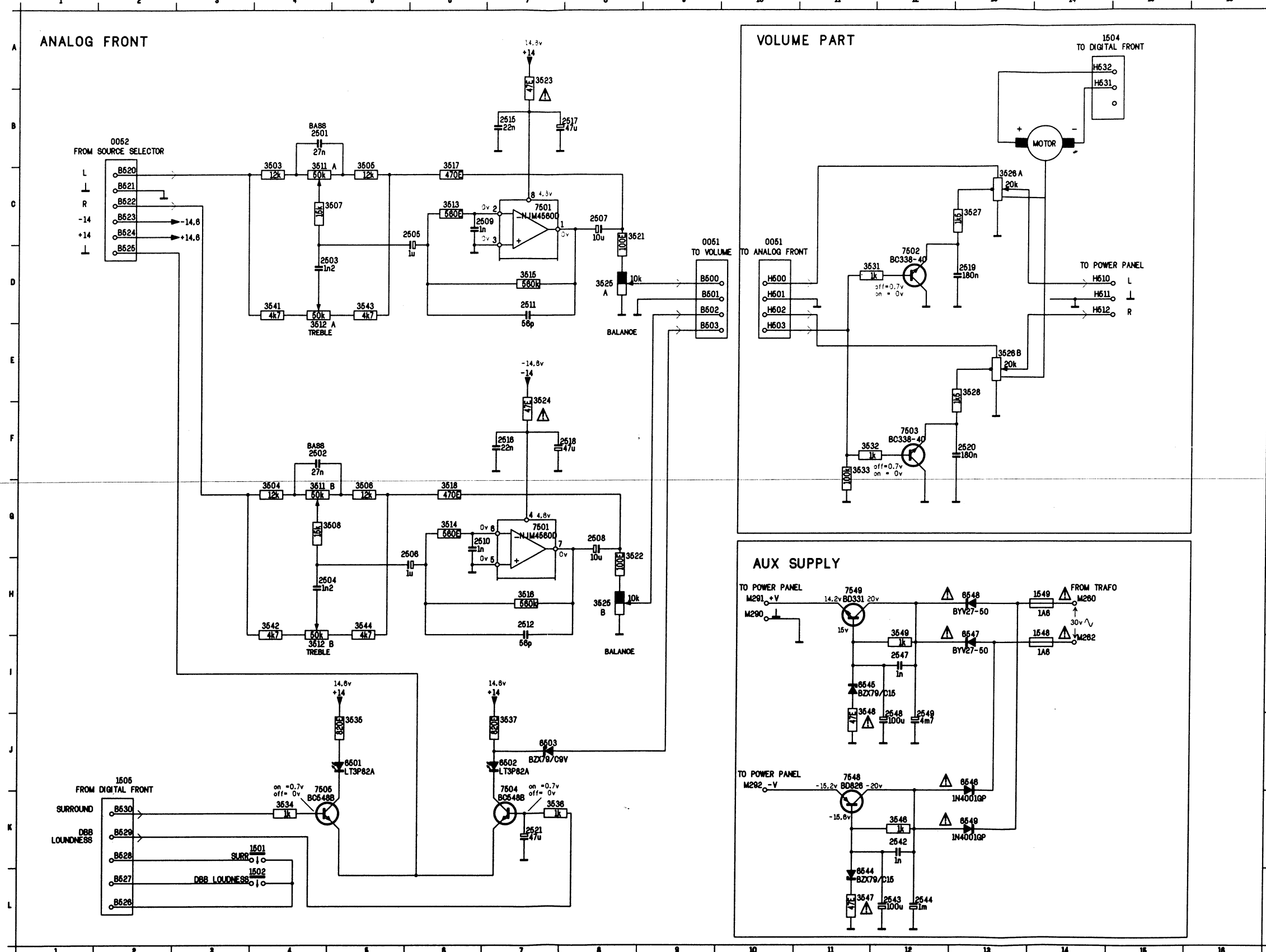


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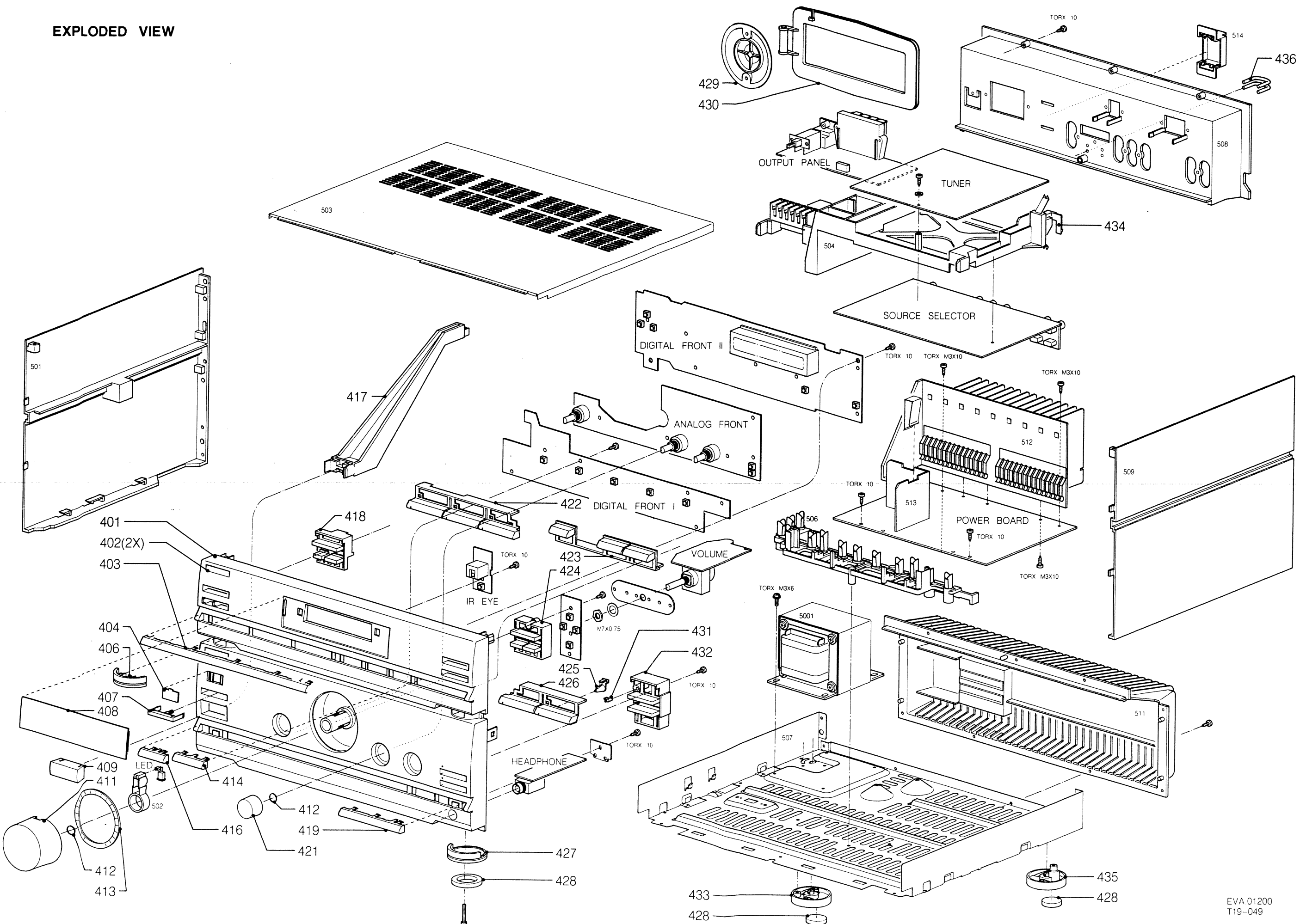
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1501 B 2 1548 C10 2503 B 3 2507 B 5 2511 C 5 2517 C 4 2521 C 2 2547 C12 3504 C 5 3508 C 5 3514 C 4 3518 C 4 3524 C 4 3528 C 8 3534 C 2 3541 C 3 3546 B11 6501 B 2 6545 C12 6549 C11 7504 C 1 8501 D 6 9505 C 4 9511 C 7 9515 C 8



0051	C 9	1502	L 4	1549	H14	2504	H 4	2508	D 8	2512	H 7	2518	F 7	2542	K12	2548	J12	3505	B 5	3511	B 4	3513	C 6	3517	B 6	3523	R 7	3527	C13	3533	G11	3537	J 7	3544	H 5	3549	H12	6544	L11	6548	H13	7502	D12	7548	J11
0051	C10	1504	R14	2501	B 4	2505	C 6	2509	C 6	2515	B 7	2519	D12	2543	L12	2549	J12	3506	D 5	3511	D 4	3514	C 6	3518	D 6	3524	E 7	3528	F13	3534	K 4	3541	D 4	3546	K12	6501	J 5	6545	I11	6549	K13	7503	F12	7549	H11
0052	B 2	1505	J 2	2502	F 4	2506	G 6	2510	G 6	2516	F 7	2520	D12	2544	L12	2549	J12	3507	C 4	3512	F 4	3515	D 7	3521	C 8	3525	D 8	3531	D11	3535	J 5	3542	H 4	3547	L11	6502	J 7	6546	J13	7501	C 7	7504	J 7		
1501	K 4	1548	H14	2503	D 4	2507	C 8	2511	D 7	2517	B 7	2521	K 7	2547	I12	2549	G 4	3508	G 4	3512	I 4	3516	H 7	3522	D 8	3525	H 8	3532	F11	3536	K 7	3543	D 5	3548	I11	6503	J 7	6547	H13	7501	G 7	7505	J 4		



EXPLODED VIEW



EVA.01200
T19-049

MISCELLANEOUS			
1101	4822 218 10389	REMOTE CONTROL (IR)	1461 4822 276 13066 TACT SWITCH
	4822 267 10274	UHF SOCKET (for /05)	1462 4822 276 13066 TACT SWITCH
1102	4822 267 31128	COAX, ANTENNA 75 OHM	1463 4822 276 13066 TACT SWITCH
1250	4822 267 31306	TERMINAL (AM AERIAL)	1464 4822 276 13066 TACT SWITCH
	4822 071 53152	FUSE T3,15A	1465 4822 276 13066 TACT SWITCH
1251	4822 071 53152	FUSE T3,15A	1466 4822 276 13066 TACT SWITCH
1259	4822 071 51002	FUSE T1A	1467 4822 276 13066 TACT SWITCH
1260	4822 071 51002	FUSE T1A	1468 4822 276 13066 TACT SWITCH
1271	4822 276 13055	SWITCH	1469 4822 276 13066 TACT SWITCH
1272	4822 267 31308	TERMINAL (2xSPEAKER)	1471 4822 276 13066 TACT SWITCH
1273	4822 265 20291	MAINS SOCKET	1501 4822 276 13066 TACT SWITCH
1400	4822 267 30968	PHONE SOCKET	1502 4822 276 13066 TACT SWITCH
1415	4822 276 13066	TACT SWITCH	1548 4822 071 51602 FUSE T1.6A
1416	4822 276 13066	TACT SWITCH	1549 4822 071 51602 FUSE T1.6A
1417	4822 276 13066	TACT SWITCH	1551 4822 266 30293 CHINCH SOCKET
1418	4822 276 13066	TACT SWITCH	1554 4822 267 31307 CHINCH SOCKET
1419	4822 276 13066	TACT SWITCH	1561 4822 267 20416 CHINCH SOCKET PLATE
1451	4822 130 90953	DISPLAY (FTD)	5001 4822 146 30973 MAINS TRANSFORMER
	4822 256 91755	DISPLAY HOLDER	5250 4822 280 70366 RELAY MINIAT. 36V DC
DIODES			
	4822 130 82489	GL2PR9 (LED RED)	4822 130 34233 BZX79-B5V1
	4822 130 81643	BB804	5322 130 31504 BZX79-C20
	5322 130 31684	BB809	4822 130 31024 BZX79-C18
	4822 130 81673	1SV149(B)	4822 130 34379 BZX79-C27
	4822 130 34174	BZX79-C4V7	4822 130 81007 LED LT3P82A
	4822 130 30621	1N4148	4822 130 81254 IR-EYE
	4822 130 61219	BZX79-C10	4822 130 30862 BZX79-C9V1
	4822 130 34167	BZX79-C6V2	4822 130 31438 1N4001
	5322 130 30684	1N4002	5322 130 32184 BYV27-50
	4822 130 34281	BZX79-C15	4822 130 31253 BZX79-C2V4
	4822 130 82079	D3SBA20	
TRANSISTORS			
	4822 130 60163	2SC1047	4822 130 42607 BF483
	4822 130 60093	2SA838B	5322 130 42363 BDT63B
	4822 130 44154	BF199	5322 130 44926 BDT62B
	4822 130 40937	BC548B	4822 130 44503 BC547C
	5322 130 44779	BC338-40	4822 130 42629 BD331
	5322 130 41982	BC848	4822 130 41774 BD826
	4822 130 41024	BF245B	4822 130 40959 BC547B
	4822 130 44196	BC548C	4822 130 40824 BD136
	4822 130 44197	BC558B	4822 130 40823 BD135
	4822 130 41691	BC556B	
INTEGRATED CIRCUITS			
	4822 209 72744	CXA1240P	4822 209 61522 PC74HCT4094P
	4822 209 71321	AN7411	4822 209 63666 uP
	4822 209 71331	LM7000	4822 209 62098 ST24C02CP
	4822 209 83274	NJM4560D	4822 209 70157 NJM4560DD
	4822 209 63667	BA6229 MOTOR DRIVER	4822 209 72748 LC7821

COILS			
5101	4822 156 30947	RF COIL 1,5 TURNS	5110 4822 157 63159 MW AERIAL (ONLY /01)
5102	4822 156 30947	RF COIL 1,5 TURNS	5111 4822 157 63028 FM IF (NOT /02)
5103	4822 156 30947	RF COIL 1,5 TURNS	5111 4822 157 63163 FM IF (ONLY /02)
5104	4822 157 60284	NOT FOR /02	5112 4822 242 72976 QUARTZ 2,7MHz
5104	4822 157 53199	ONLY FOR /02	5113 4822 157 60147 COIL 2,2uH
5105	4822 157 63031	AM OSC. (NOT /01)	5114 4822 158 60509 BIRDY FILTER
5105	4822 157 63158	AM OSC (ONLY /01)	5115 4822 157 60147 COIL 2,2uH
5106	4822 157 53192	0,22uH	5116 4822 157 63032 LW AERIAL COIL
5107	4822 242 72096	CER.FILT.KIT 10,7MHz	5118 4822 152 20699 560uH
5108	4822 157 63029	AM IF COIL	5252 4822 157 62255 COIL 18,5 TURNS
5109	4822 242 71878	CERAM.RES. 450kHz	5253 4822 157 62255 COIL 18,5 TURNS
5110	4822 157 63033	MW AERIAL (NOT /01)	5492 4822 242 73769 CER.RES. 4,194MHz
RESISTORS			
3105	4822 050 23901	390R 1% 0,6W	3267 4822 050 21801 180R 1% 0,6W
3106	4822 116 52224	470R 5% 0,5W	3268 4822 050 21803 18k 1% 0,6W
3107	4822 116 52921	4k7 1% 0,6W	3269 4822 050 21803 18k 1% 0,6W
3111	4822 050 24703	47k 1% 0,6W	3270 4822 053 10122 1k2 5% 1W
3114	4822 100 11141	10k TRIM POT	3271 4822 053 10122 1k2 5% 1W
3116	4822 050 22201	220R 2% 0,25W	3272 4822 052 10681 680R 5% 0,33W
3120	4822 050 23903	39k 1% 0,6W	3273 4822 052 10681 680R 5% 0,33W
3125	4822 116 52921	4k7 1% 0,6W	3274 4822 050 22202 2k2 1% 0,6W
3128	4822 116 52921	4k7 1% 0,6W	3275 4822 050 22202 2k2 1% 0,6W
3131	4822 050 23301	330R 2% 0,25W	3276 4822 050 16809 68R 1% 0,4W
3132	4822 050 26801	680R 1% 0,6W	3277 4822 050 16809 68R 1% 0,4W
3134	4822 116 52921	4k7 1% 0,6W	3278 4822 053 12182 1k8 5% 3W
3135	4822 050 22201	220R 2% 0,25W	3279 4822 053 12182 1k8 5% 3W
3139	4822 116 52921	4k7 1% 0,6W	3280 4822 050 21802 1k8 1% 0,6W
3142	4822 050 22201	220R 2% 0,25W	3281 4822 050 21802 1k8 1% 0,6W
3143	4822 051 10223	22k 2% 0,25W	3282 4822 050 22202 2k2 1% 0,6W
3145	4822 100 11141	10k TRIM POT	3283 4822 050 22202 2k2 1% 0,6W
3147	4822 050 22201	220R 2% 0,25W	3284 4822 101 10927 470R POTMETER
3149	4822 050 21002	1k 1% 0,6W	3285 4822 101 10927 470R POTMETER
3150	4822 050 21002	1k 1% 0,6W	3286 4822 050 28201 820R 1% 0,6W
3151	4822 050 21002	1k 1% 0,6W	3287 4822 050 28201 820R 1% 0,6W
3153	4822 050 21002	1k 1% 0,6W	3288 4822 050 23302 3k3 1% 0,6W
3171	4822 050 26801	680R 1% 0,6W	3290 4822 053 10272 2k7 5% 1W
3173	4822 050 21002	1k 1% 0,6W	3291 4822 053 10272 2k7 5% 1W
3250	4822 050 23302	3k3 1% 0,6W	3294 4822 116 52224 470R 5% 0,5W
3251	4822 050 23302	3k3 1% 0,6W	3295 4822 116 52224 470R 5% 0,5W
3252	4822 116 52921	4k7 1% 0,6W	3296 4822 116 52224 470R 5% 0,5W
3253	4822 116 52921	4k7 1% 0,6W	3297 4822 116 52224 470R 5% 0,5W
3254	4822 050 23302	3k3 1% 0,6W	3298 4822 116 52224 470R 5% 0,5W
3255	4822 050 23302	3k3 1% 0,6W	3299 4822 116 52224 470R 5% 0,5W
3256	4822 116 52921	4k7 1% 0,6W	3302 4822 116 52224 470R 5% 0,5W
3257	4822 116 52921	4k7 1% 0,6W	3303 4822 116 52224 470R 5% 0,5W
3258	4822 050 21803	18k 1% 0,6W	3304 4822 113 80525 OR15 10% 3W
3259	4822 050 21803	18k 1% 0,6W	3305 4822 113 80525 OR15 10% 3W
3260	4822 051 10223	22k 2% 0,25W	3306 4822 113 80525 OR15 10% 3W
3266	4822 050 21801	180R 1% 0,6W	3307 4822 113 80525 OR15 10% 3W

MECHANICAL PARTS

401	4822 426 51465	FRONT PRINTED
402	4822 459 10887	WORDMARK "PHILIPS"
403	4822 454 12703	FAKE STRIP PRESETS
404	4822 450 61675	WINDOW REMOTE
406	4822 462 71743	FOOT TUNER
407	4822 410 61099	BUTTON STAND BY
408	4822 450 61676	WINDOW TUNER
409	4822 410 61098	CAP POWER BUTTON
411	4822 411 61765	KNOB VOLUME
412	4822 492 63086	SPRING KNOB FIXATION
413	4822 450 61677	WINDOW VOLUME
414	4822 410 61093	FAKE BUTTON TUNER
416	4822 410 61094	FAKE BUTTON SELECTOR
417	4822 535 93188	POWER ROD
418	4822 417 11131	BUTTON WAVE BAND
419	4822 410 61095	FAKE BUTTON VCR
421	4822 413 51364	KNOB (BASS TREB BAL)
422	4822 417 11135	KNOB PHONO/TUNER/CD
423	4822 417 11133	BUTTON MEMORY/FREQU.
424	4822 417 11134	BUTTON MONO/STEREO
425	4822 466 70717	LIGHT DIFFUSOR SELEC
426	4822 417 11136	BUTTON TAPE/TV
427	4822 462 71744	FOOT (AMPLIFIER)
428	4822 462 41783	RUBBER FOOT BACK/FRO
429	4822 462 71749	LOOP ANTENNA FOOT
430	4822 303 40055	AM FRAME AERIAL
431	4822 466 70716	LIGHT DIFFUSOR SURR.
432	4822 417 11132	BUTTON SURROUND
433	4822 462 41784	FOOT REAR SIDE LEFT
434	4822 492 70854	EARTH SPRING
435	4822 462 41785	FOOT REAR SIDE RIGHT
436	4822 404 21141	EQUALIZER BRIDGE
	4822 321 10249	MAINS CORD SET EUROPE
	4822 321 10561	MAINS CORD SET GB
	4822 321 10523	MAINS CORD AUSTRALIA

RESISTORS									
3854	4822	050	21002	1k	1%	0,6W	3856	4822	050 24703 47k 1% 0,6W
3855	4822	050	21006	10M	1%	0,6W			
CHIP RESISTORS									
3101	4822	051	20473	47k	5%	0,1W	3165	4822	051 20473 47k 5% 0,1W
3102	4822	051	20333	33k	5%	0,1W	3170	4822	051 10008 JUMPER
3103	4822	051	10472	4k7	2%	0,25W	3172	4822	051 20223 22k 5% 0,1W
3104	4822	051	10102	1k	2%	0,25W	3174	4822	051 10102 1k 2% 0,25W
3108	4822	051	10122	1k2	2%	0,25W	3175	4822	051 10331 330R 2% 0,25W
3109	4822	051	10101	100R	2%	0,25W	3176	4822	051 20271 270R 5% 0,1W
3110	4822	051	10101	100R	2%	0,25W	3177	4822	051 10151 150R 2% 0,25W
3112	4822	051	20562	5k6	5%	0,1W	3178	4822	051 20223 22k 5% 0,1W
3112	4822	051	20008	CHIP JUMPER			3179	4822	051 10472 4k7 2% 0,25W
3113	4822	051	20689	68R	5%	0,1W	3261	4822	051 10103 10k 2% 0,25W
3115	4822	051	10479	47R			3300	4822	051 10103 10k 2% 0,25W
3117	4822	051	10103	10k	2%	0,25W	3301	4822	051 10103 10k 2% 0,25W
3118	4822	051	20271	270R	5%	0,1W	3330	4822	051 10103 10k 2% 0,25W
3119	4822	051	20273	27k	5%	0,1W	3331	4822	051 10103 10k 2% 0,25W
3121	4822	051	20104	100k	5%	0,1W	3356	4822	051 10101 100R 2% 0,25W
3122	4822	051	10272	2k7	2%	0,25W	3357	4822	051 10101 100R 2% 0,25W
3124	4822	051	10008	JUMPER			3384	4822	051 10103 10k 2% 0,25W
3126	4822	051	10472	4k7	2%	0,25W	3385	4822	051 10101 100R 2% 0,25W
3127	4822	051	20472	4k7	5%	0,1W	3427	4822	051 10103 10k 2% 0,25W
3129	4822	051	20104	100k	5%	0,1W	3432	4822	051 10103 10k 2% 0,25W
3130	4822	051	20104	100k	5%	0,1W	3445	4822	051 10103 10k 2% 0,25W
3133	4822	051	20223	22k	5%	0,1W	3446	4822	051 10103 10k 2% 0,25W
3136	4822	051	10153	15k	2%	0,25W	3456	4822	051 10103 10k 2% 0,25W
3137	4822	051	20562	5k6	5%	0,1W	3457	4822	051 10103 10k 2% 0,25W
3138	4822	051	20472	4k7	5%	0,1W	3458	4822	051 10103 10k 2% 0,25W
3140	4822	051	10102	1k	2%	0,25W	3459	4822	051 10103 10k 2% 0,25W
3141	4822	051	10103	10k	2%	0,25W	3467	4822	051 10103 10k 2% 0,25W
3144	4822	051	20183	18k	5%	0,1W	3513	4822	051 10561 560R 2% 0,25W
3146	4822	051	10821	820R	2%	0,25W	3514	4822	051 10561 560R 2% 0,25W
3148	4822	051	10103	10k	2%	0,25W	3559	4822	051 10101 100R 2% 0,25W
3155	4822	051	20332	3k3	5%	0,1W	3560	4822	051 10101 100R 2% 0,25W
3156	4822	051	10103	10k	2%	0,25W	3561	4822	051 10561 560R 2% 0,25W
3157	4822	051	10008	JUMPER			3562	4822	051 10561 560R 2% 0,25W
3158	4822	051	20104	100k	5%	0,1W	3597	4822	051 10561 560R 2% 0,25W
3160	4822	051	10008	JUMPER			3598	4822	051 10561 560R 2% 0,25W
3161	4822	051	20473	47k	5%	0,1W	3607	4822	051 10103 10k 2% 0,25W
3162	4822	051	20479	47R	5%	0,1W	3608	4822	051 10103 10k 2% 0,25W
3163	4822	051	20562	5k6	5%	0,1W	3623	4822	051 10103 10k 2% 0,25W
3164	4822	051	20008	CHIP JUMPER					
CAPACITORS									
2100	4822	122	31555	120pF	5%	50V	2111	4822	125 50355 4,2-20pF (only/02)
2101	4822	122	10179	33pF	5%	50V	2115	5322	122 32481 15pF 5% 50V
2103	4822	125	50355	4,2-20pF	VARIABLE		2116	5322	122 32481 15pF (not /02)
2109	4822	125	50355	4,2-20pF	VARIABLE		2117	5322	122 32967 5,6pF (not /02)
2111	4822	125	60102	30pF	var. (not/02)		2119	4822	124 41554 220uF 20% 10V

CAPACITORS									
2121	4822	122	31435	470pF	10%	50V	2263	4822	122 10183 100pF 5% 50V
2122	4822	122	31385	22pF	5%	50V	2264	4822	126 11307 180pF 10% 500V
2123	4822	122	31555	120pF	5%	50V	2265	4822	126 11307 180pF 10% 500V
2128	5322	122	32967	5,6pF	5%	50V	2266	4822	122 31693 560pF 10% 50V
2130	4822	124	40178	100uF	20%	10V	2267	4822	122 31693 560pF 10% 50V
2131	4822	124	40244	2,2uF	20%	63V	2268	4822	122 10173 820pF 10% 50V
2134	5322	121	50999	470pF	(not /01)		2269	4822	122 10173 820pF 10% 50V
2134	4822	121	51381	560pF	(only /01)		2270	4822	124 41525 100uF 20% 25V
2135	4822	121	43253	360pF	1% 400V		2271	4822	124 41525 100uF 20% 25V
2136	4822	125	60101	10pF	VARIABLE		2274	4822	126 11308 47pF 5% 500V
2137	4822	122	10436	6,8pF	10%	50V	2275	4822	126 11308 47pF 5% 500V
2139	4822	122	10166	22nF	30%	16V	2276	4822	124 40178 100uF 20% 10V
2141	4822	122	31385	22pF	5%	50V	2277	4822	124 40178 100uF 20% 10V
2144	4822	124	41554	220uF	20%	10V	2278	4822	124 22633 22uF 20% 35V
2146	4822	122	32096	4,7pF	10%	50V	2279	4822	124 22633 22uF 20% 35V
2150	4822	121	42408	220nF	5%	63V	2280	4822	122 10183 100pF 5% 50V
2151	4822	125	60101	10pF	VARIABLE		2281	4822	122 10183 100pF 5% 50V
2151	4822	125	60102	30pF	VARIABLE		2284	5322	121 42491 47nF 5% 100V
2152	4822	121	43861	56pF	1% 63V		2285	5322	121 42491 47nF 5% 100V
2154	4822	121	42408	220nF	5%	63V	2286	4822	126 11311 4,7nF 50V
2155	4822	124	41631	1,5uF	20%	50V	2287	4822	126 11311 4,7nF 50V
2158	4822	124	40196	220uF	20%	16V	2288	4822	126 11311 4,7nF 50V
2161	4822	124	40246	4,7uF	20%	63V	2289	4822	126 11311 4,7nF 50V
2163	4822	122	10173	820pF	10%	50V	2292	4822	124 40242 1uF 20% 63V
2165	4822	124	40242	1uF	20%	63V	2293	4822	124 40248 10uF 20% 63V
2167	4822	124	41643	100uF	20%	16V	2296	4822	124 40749 3,3uF 20% 63V
2168	5322	121	50999	470pF	1% 400V		2303	4822	121 42007 100nF 10% 100V
2170	4822	124	40239	0,47uF	20%	63V	2307	4822	121 42007 100nF 10% 100V
2172	4822	124	41987	0,22uF	20%	63V	2309	4822	121 42007 100nF 10% 100V
2173	4822	124	40246	4,7uF	20%	63V	2313	5322	121 42491 47nF 5% 100V
2176	4822	124	40242	1uF	20%	63V	2314	5322	121 42491 47nF 5% 100V
2177	4822	124	40242	1uF	20%	63V	2315	5322	121 42491 47nF 5% 100V
2180	5322	122	32965	18pF	5%	50V	2316	4822	124 42116 330uF 20% 50V
2181	5322	122	32481	15pF	5%	50V	2317	5322	124 21189 100uF 20% 40V
2182	4822	124	40242	1uF	20%	63V	2318	4822	124 41643 100uF 20% 16V
2198	5322	122	32481	15pF	5%	50V	2319	4822	122 10158 1nF 10% 50V
2204	4822	122	32596	TRIM CAP 5,2pF-30pF			2321	4822	122 10166 22nF 30% 16V
2205	4822	125	60102	30pF	VARIABLE		2322	4822	124 40433 47uF 20% 25V
2209	5322	122	32481	15pF	5%	50V	2323	4822	124 40242 1uF 20% 63V
2250	4822	124	40242	1uF	20%	63V	2324	4822	124 40242 1uF 20% 63V
2251	4822	124	40242	1uF	20%	63V	2326	4822	124 42117 4700uF 20% 50V
2254	4822	122	10172	220pF	10%	50V	2327	4822	124 42117 4700uF 20% 50V
2255	4822	122	10172	220pF	10%	50V	2328	4822	122 10158 1nF 10% 50V
2256	4822	122	31435	470pF	10%	50V	2329	4822	122 10158 1nF 10% 50V
2257	4822	122	31435	470pF	10%	50V	2330	4822	124 42125 1000uF 20% 50V
2258	4822	124	41554	220uF	20%	10V	2331	4822	124 40433 47uF 20% 25V
2259	4822	124	41554	220uF	20%	10V	2333	4822	122 10158 1nF 10% 50V
2260	4822	124	41643	100uF	20%	16V	2401	4822	124 41678 22uF 20% 25V
2261	4822	124	41643	100uF	20%	16V	2402	4822	122 10177 10nF 20% 25V
2262	4822	122	10183	100pF	5%	50V	2412	4822	122 10166 22nF 30% 16V

RESISTORS

3308	4822	050	24703	47k	1%	0,6W
3309	4822	050	24703	47k	1%	0,6W
3310	4822	116	52866	82k	1%	0,6W
3311	4822	051	10223	22k	2%	0,25W
3312	4822	050	24703	47k	1%	0,6W
3313	4822	051	10223	22k	2%	0,25W
3314	4822	050	26803	68k	1%	0,6W
3315	4822	050	21501	150R	1%	0,6W
3316	4822	116	52921	4k7	1%	0,6W
3318	4822	050	21002	1k	1%	0,6W
3319	4822	050	21002	1k	1%	0,6W
3332	4822	050	23302	3k3	1%	0,6W
3333	4822	116	80562	10R	5%	NFR
3334	4822	050	21502	1k5	1%	0,6W
3335	4822	116	80335	47R	5%	NFR
3336	4822	050	21002	1k	1%	0,6W
3337	4822	053	10109	10R	5%	1W
3338	4822	053	10109	10R	5%	1W
3339	4822	052	10108	1R	5%	0,33W
3342	4822	116	80562	10R	5%	NFR
3343	4822	116	80335	47R	5%	NFR
3344	4822	050	21802	1k8	1%	0,6W
3345	4822	050	21202	1k2	1%	0,6W
3352	4822	050	21002	1k	1%	0,6W
3353	4822	050	21002	1k	1%	0,6W
3354	4822	116	52224	470R	5%	0,5W
3355	4822	116	52224	470R	5%	0,5W
3358	4822	116	80311	4,7R	5%	NFR
3359	4822	116	80311	4,7R	5%	NFR
3368	4822	116	80562	10R	5%	NFR
3369	4822	116	80562	10R	5%	NFR
3370	4822	051	10223	22k	2%	0,25W
3371	4822	051	10223	22k	2%	0,25W
3379	4822	051	10223	22k	2%	0,25W
3380	4822	116	80562	10R	5%	NFR
3381	4822	116	80562	10R	5%	NFR
3382	4822	050	23302	3k3	1%	0,6W
3386	4822	116	52263	2k7	5%	0,5W
3401	4822	116	82366	2R2	5%	
3402	4822	053	10159	15R	5%	1W
3412	4822	116	80311	4,7R	5%	NFR
3416	4822	051	10221	220R	2%	0,25W
3418	4822	050	21002	1k	1%	0,6W
3417	4822	050	21002	1k	1%	0,6W
3420	4822	050	21002	1k	1%	0,6W
3424	4822	053	11109	10R	5%	2W
3425	4822	050	22202	2k2	1%	0,6W
3426	4822	050	14709	47R	1%	0,4W
3428	4822	116	52234	100k	5%	0,5W
3429	4822	050	25603	56k	1%	0,6W
3430	4822	116	52921	4k7	1%	0,6W
3431	4822	050	22202	2k2	1%	0,6W
3434	4822	116	80311	4,7R	5%	NFR
3435	4822	116	80311	4,7R	5%	NFR
3436	4822	116	52921	4k7	1%	0,6W
3440	4822	050	24703	47k	1%	0,6W
3441	4822	050	24703	47k	1%	0,6W
3442	4822	116	52921	4k7	1%	0,6W
3443	4822	050	24703	47k	1%	0,6W
3444	4822	050	21803	18k	1%	0,6W
3447	4822	050	23301	330R	2%	0,25W
3451	4822	050	24703	47k	1%	0,6W
3452	4822	050	24703	47k	1%	0,6W
3453	4822	116	52921	4k7	1%	0,6W
3454	4822	050	24703	47k	1%	0,6W
3455	4822	050	21803	18k	1%	0,6W
3462	4822	116	52921	4k7	1%	0,6W
3463	4822	116	52921	4k7	1%	0,6W
3464	4822	116	52921	4k7	1%	0,6W
3465	4822	116	52921	4k7	1%	0,6W
3466	4822	116	52921	4k7	1%	0,6W
3468	4822	050	22704	270k	1%	0,6W
3471	4822	050	21002	1k	1%	0,6W
3472	4822	050	21002	1k	1%	0,6W
3473	4822	050	21002	1k	1%	0,6W
3474	4822	050	21002	1k	1%	0,6W
3475	4822	050	21002	1k	1%	0,6W
3476	4822	050	21002	1k	1%	0,6W
3477	4822	050	21002	1k	1%	0,6W
3478	4822	050	21002	1k	1%	0,6W
3479	4822	116	52234	100k	5%	0,5W
3481	4822	116	52921	4k7	1%	0,6W
3482	4822	116	52921	4k7	1%	0,6W
3483	4822	116	52921	4k7	1%	0,6W
3484	4822	116	52921	4k7	1%	0,6W
3485	4822	050	21002	1k	1%	0,6W
3486	4822	050	21002	1k	1%	0,6W
3487	4822	116	52921	4k7	1%	0,6W
3488	4822	116	52921	4k7	1%	0,6W
3489	4822	116	52921	4k7	1%	0,6W
3490	4822	116	52921	4k7	1%	0,6W
3491	4822	050	21002	1k	1%	0,6W
3492	4822	050	21002	1k	1%	0,6W
3493	4822	050	21002	1k	1%	0,6W
3494	4822	050	21002	1k	1%	0,6W
3496	5322	113	44016	330R	5%	3,5W
3497	4822	050	28209	82R	1%	0,6W
3498	5322	113	44016	330R	5%	3,5W
3499	4822	050	28209	82R	1%	0,6W
3503	4822	050	21203	12k	1%	0,6W

RESISTORS

3504	4822	050	21203	12k	1%	0,6W	3571	4822	116	80335	47R	5%	NFR
3505	4822	050	21203	12k	1%	0,6W	3572	4822	116	80335	47R	5%	NFR
3506	4822	050	21203	12k	1%	0,6W	3573	4822	116	52264	27k	5%	0,5W
3507	4822	116	52244	15k	5%	0,5W	3574	4822	116	52264	27k	5%	0,5W
3508	4822	116	52244	15k	5%	0,5W	3575	4822	050	21304	130k	1%	0,6W
3511	4822	102	10422	POTMETER	2x	50kX	3576	4822	050	21304	130k	1%	0,6W
3512	4822	102	10422	POTMETER	2x	50kX	3577	4822	050	23603	36k	1%	0,6W
3515	4822	050	25604	560k	1%	0,6W	3578	4822	050	23603	36k	1%	0,6W
3516	4822	050	25604	560k	1%	0,6W	3579	4822	051	10223	22k	2%	0,25W
3517	4822	116	52224	470R	5%	0,5W	3580	4822	051	10223	22k	2%	0,25W
3518	4822	116	52224	470R	5%	0,5W	3581	4822	050	26202	6k2	1%	0,6W
3521	4822	116	52224	470R	5%	0,5W	3582	4822	050	26202	6k2	1%	0,6W
3522	4822	116	52224	470R	5%	0,5W	3583	4822	050	21101	110R	1%	0,6W
3523	4822	116	80335	47R	5%	NFR	3584	4822	050	21101	110R	1%	0,6W
3524	4822	116	80335	47R	5%	NFR	3585	4822	050	21803	18k	1%	0,6W
3525	4822	102	10413	POTMETER	2x	10kX	3586	4822	050	21803	18k	1%	0,6W
3526	4822	102	10414	POTM.	2x20kX		3591	4822	051	10223	22k	2%	0,25W
3527	4822	050	21502	1k5	1%	0,6W	3592	4822	051	10223	22k	2%	0,25W
3528	4822	050	21502	1k5	1%	0,6W	3593	4822	116	52234	100k	5%	0,5W
3531	4822	050	21002	1k	1%	0,6W	3594	4822	116	52234	100k	5%	0,5W
3532	4822	050	21002	1k	1%	0,6W	3595	4822	050	26803	68k	1%	0,6W
3533	4822	116	52234	100k	5%	0,5W	3596	4822	050	26803	68k	1%	0,6W
3534	4822	050	21002	1k	1%	0,6W	3599	4822	116	52234	100k	5%	0,5W
3535	4822	050	28201	820R	1%	0,6W	3600	4822	116	52234	100k	5%	0,5W
3536	4822	050	21002	1k	1%	0,6W	3601	4822	116	80335	47R	5%	NFR
3537	4822	050	28201	820R	1%	0,6W	3602	4822	116	80335	47R	5%	NFR
3541	4822	116	52921	4k7	1%	0,6W	3605	4822	116	52234	100k	5%	0,5W
3542	4822	116	52921	4k7	1%	0,6W	3606	4822	116	52234	100k	5%	0,5W
3543	4822	116	52921	4k7	1%	0,6W	3609	4822	116	52224	470R	5%	0,5W
3544	4822	116	52921	4k7	1%	0,6W	3610	4822	116	52224	470R	5%	0,5W
3546	4822	050	21002	1k	1%	0,6W	3611	4822	116	80335	47R	5%	NFR
3547	4822	116	80335	47R	5%	NFR	3612	4822	116	80335	47R	5%	NFR
3548	4822	116	80335	47R	5%	NFR	3613	4822	050	21002	1k	1%	0,6W
3549	4822	050	21002	1k	1%	0,6W	3614	4822	050	21002	1k	1%	0,6W
3551	4822	050	23901	390R	1%	0,6W	3615	4822	116	52224	470R	5%	0,5W
3552	4822	050	23901	390R	1%	0,6W	3616	4822	116	52224	470R	5%	0,5W
3553	4822	116	52272	330k	5%	0,5W	3617	4822	116	52217	270R	5%	0,5W
3554	4822	116	52272	330k	5%	0,5W	3618	4822	116	52217	270R	5%	0,5W
3555	4822	050	25603	56k	1%	0,6W	3619	4822	050	23302	3k3	1%	0,6W
3556	4822	050	25603	56k	1%	0,6W	3620	4822	050	28209	82R	1%	0,6W
3557	4822	050	23901	390R	1%	0,6W	3621	4822	116	52234	100k	5%	0,5W
3558	4822	050	23901	390R	1%	0,6W	3622	4822	116	52234	100k	5%	0,5W
3563	4822	116	52272	330k	5%	0,5W	3624	4822	116	52234	100k	5%	0,5W
3564	4822	116	52272	330k	5%	0,5W	3831	4822	050	12402	2k4	1%	0,4W
3565	4822	116	52264	27k	5%	0,5W	3832	4822	050	12402	2k4	1%	0,4W
3566	4822	116	52264	27k	5%	0,5W	3841	4822	050	12402	2k4	1%	0,4W
3567	4822	116	52303	8k2	5%	0,5W	3842	4822	050	12402	2k4	1%	0,4W
3568	4822	116	52303	8k2	5%	0,5W	3851	4822	116	52234	100k	5%	0,5W
3569	4822	116	52244	15k	5%	0,5W	3852	4822	116	52234	100k	5%	0,5W
3570	4822	116	52244	15k	5%	0,5W	3853	4822	050	21002	1k	1%	0,6W

PHILIPS



SI

Wichtig für die Werkstatt!

Nummer: 53011

Sachgebiet: Personal Audio AC 53

Datum: 10.06.91

Service Information

Betrifft:

Lautsprecherbox
70FB310/00G

Verteiler:

INTERN UND EXTERN

Bitte berichtigen Sie die Bestellnummern auf Seite 2 des
Service-Manuals 4822 725 23095:

Pos. 1002: von 4822 240 30489 in 4822 240 70228

Pos. 2001: von 4822 214 21435 in 4822 124 21679

Grund: die Teile mit den obengenannte (alten) Bestellnummern
wurden nicht in die Geräte eingebaut.

4812 829 53011

Service
Service
Service

Philips GmbH · Geschäftsbereich Service · Hamburg 1

Nachdruck nicht gestattet! Änderungen vorbehalten.

CAPACITORS

2413	4822	122	31435	470pF	10%	50V	2557	4822	124	40242	1uF	20%	63V
2424	4822	124	21694	1000uF	20%	10V	2558	4822	124	40242	1uF	20%	63V
2425	4822	124	40248	10uF	20%	63V	2559	4822	124	40248	10uF	20%	63V
2426	4822	121	42408	220nF	5%	63V	2560	4822	124	40248	10uF	20%	63V
2427	4822	122	10177	10nF	20%	25V	2561	4822	124	40248	10uF	20%	63V
2428	4822	122	10166	22nF	30%	16V	2562	4822	124	40248	10uF	20%	63V
2429	4822	124	40244	2,2uF	20%	63V	2563	4822	122	10177	10nF	20%	25V
2430	4822	122	10166	22nF	30%	16V	2564	4822	122	10177	10nF	20%	25V
2431	4822	121	51252	470nF	5%	63V	2565	4822	126	11309	2,7nF	10%	50V
2434	4822	121	51252	470nF	5%	63V	2566	4822	126	11309	2,7nF	10%	50V
2435	4822	121	51252	470nF	5%	63V	2567	4822	122	10166	22nF	30%	16V
2441	4822	122	10166	22nF	30%	16V	2568	4822	122	10166	22nF	30%	16V
2451	4822	121	90058	CAP NETWORK 8x100pF			2569	4822	124	41506	47uF	20%	16V
2452	4822	122	10183	100pF	5%	50V	2570	4822	124	41506	47uF	20%	16V
2456	4822	122	31435	470pF	10%	50V	2571	4822	124	41506	47uF	20%	16V
2457	4822	122	31435	470pF	10%	50V	2572	4822	124	41506	47uF	20%	16V
2458	4822	122	31435	470pF	10%	50V	2573	4822	122	10166	22nF	30%	16V
2459	4822	122	31435	470pF	10%	50V	2574	4822	122	10166	22nF	30%	16V
2481	4822	122	10166	22nF	30%	16V	2575	4822	124	40242	1uF	20%	63V
2501	4822	121	43187	27nF	10%	63V	2576	4822	124	40242	1uF	20%	63V
2502	4822	121	43187	27nF	10%	63V	2577	4822	124	40248	10uF	20%	63V
2503	4822	122	10185	1,2nF	10%	50V	2578	4822	124	40248	10uF	20%	63V
2504	4822	122	10185	1,2nF	10%	50V	2579	4822	122	10215	27pF	5%	50V
2505	4822	124	40242	1uF	20%	63V	2580	4822	122	10215	27pF	5%	50V
2506	4822	124	40242	1uF	20%	63V	2581	4822	122	10158	1nF	10%	50V
2507	4822	124	40248	10uF	20%	63V	2582	4822	122	10158	1nF	10%	50V
2508	4822	124	40248	10uF	20%	63V	2583	4822	122	10166	22nF	30%	16V
2509	4822	126	11183	1nF	20%	50V	2584	4822	122	10166	22nF	30%	16V
2510	4822	126	11183	1nF	20%	50V	2585	4822	124	41506	47uF	20%	16V
2511	4822	122	33997	56pF	5%		2586	4822	124	41506	47uF	20%	16V
2512	4822	122	33997	56pF	5%		2587	4822	126	10003	33nF	30%	50V
2515	4822	122	10166	22nF	30%	16V	2589	4822	124	40242	1uF	20%	63V
2516	4822	122	10166	22nF	30%	16V	2590	4822	124	40242	1uF	20%	63V
2517	4822	124	41506	47uF	20%	16V	2591	4822	124	40248	10uF	20%	63V
2518	4822	124	41506	47uF	20%	16V	2592	4822	124	40248	10uF	20%	63V
2519	4822	121	51356	180nF	10%	63V	2593	4822	124	41506	47uF	20%	16V
2520	4822	121	51356	180nF	10%	63V	2594	4822	124	41506	47uF	20%	16V
2521	4822	124	22794	47uF	20%	10V	2595	4822	122	10166	22nF	30%	16V
2542	4822	122	10158	1nF	10%	50V	2596	4822	122	10166	22nF	30%	16V
2543	4822	124	41525	100uF	20%	25V	2597	4822	122	10158	1nF	10%	50V
2544	4822	124	42118	1000uF	20%	25V	2598	4822	122	10158	1nF	10%	50V
2547	4822	122	10158	1nF	10%	50V	2599	4822	122	10183	100pF	5%	50V
2548	4822	124	41525	100uF	20%	25V	2600	4822	122	10183	100pF	5%	50V
2549	4822	124	42119	4700uF	20%	25V	2605	4822	122	10176	4,7nF	10%	50V
2551	4822	121	10183	100pF	5%	50V	2606	4822	122	10176	4,7nF	10%	50V
2552	4822	122	10183	100pF	5%	50V	2607	4822	124	40242	1uF	20%	63V
2553	4822	122	10183	100pF	5%	50V	2608	4822	124	22794	47uF	20%	10V
2554	4822	122	10183	100pF	5%	50V	2611	4822	122	31435	470pF	10%	50V
2555	4822	122	10158	1nF	10%	50V	2612	4822	122	31435	470pF	10%	50V
2556	4822	122	10158	1nF	10%	50V	2613	4822	122	10176	4,7nF	10%	50V

CHIP CAPACITORS

2102	5322	122	32448	10pF	5%	50V	2156	4822	122	33339	4,7nF	10%	50V
2104	5322	122	32658	22pF	5%	50V	2157	4822	122	33339	4,7nF	10%	50V
2105	5322	122	32531	100pF	5%	50V	2159	5322	122	32654	22nF	10%	63V
2106	4822	122	31727	470pF	5%	63V	2160	4822	122	31727	470pF	5%	63V
2107	4822	122	31727	470pF	5%	63V	2162	4822	122	31727	470pF	(not /02)	
2108	4822	122	31727	470pF	5%	63V	2162	4822	122	32142	270pF	(only /02)	
2110	4822	122	32765	820pF	10%	63V	2164	5322	122	34099	470pF	(not /02)	
2112	4822	122	31727	470pF	5%	63V	2164	4822	122	33173	560pF	(only /02)	
2113	4822	122	31727	470pF	5%	63V	2166	5322	122	32654	22nF	10%	63V
2114	4822	122	32765	820pF	10%	63V	2169	5322	122	32654	22nF	10%	63V
2115	5322	122	32448	10pF	5%	50V	2171	4822	122	31727	470pF	5%	63V
2116	5322	122	32658	22pF	(only /02)		2174	4822	122	33543	15nF	10%	
2117	4822	122	32139	12pF	(only /02)		2175	4822	122	33543	15nF	10%	
2118	4822	122	32507	6,8pF	(not /02)		2178	4822	122	33173	560pF	10%	63V
2118	4822	122	31971	10pF	(only /02)		2179	5322	122	32654	22nF	10%	63V
2120	5322	122	32654	22nF	10%	63V	2183	4822	122	32927	220nF	10%	63V
2124	4822	122	31727	470pF	5%	63V	2184	4822	122	31727	470pF	5%	63V
2125	5322	122	32966	39pF	(not /02)		2185	4822	122	32765	820pF	10%	63V
2125	5322	122	33538	150pF	(only /02)		2186	4822	122	31727	470pF	5%	63V
2126	5322	122	32966	39pF	(not /02)		2187	4822	122	31727	470pF	5%	63V
2126	5322	122	33538	150pF	(only /02)		2188	4822	122	31727	470pF	5%	63V
2127	5322	122	32654	22nF	10%	63V	2189	4822	122	31965	220pF	5%	
2129	5322	122	32654	22nF	10%	63V	2191	5322	122	32448	10pF	5%	50V
2132	5322	122	34123	1nF	10%	50V	2192	4822	122	32927	220nF	10%	63V
2133	4822	122	31825	27pF	10%	50V	2193	4822	122	32765	820pF	10%	63V
2138	4822	122	32482	22pF	5%	63V	2195	4822	122	32927	220nF	10%	63V
2140	4822	122	32927	220nF	10%	63V	2196	5322	122	32268	470pF	10%	50V
2142	5322	122	32452	47pF	5%	50V	2197	4822	122	32765	820pF	10%	63V
2143	5322	122	32452	47pF	5%	50V	2199	5322	122	33538	150pF	5%	63V
2145	4822	122	32765	820pF	10%	63V	2200	5322	122	31647	1nF	10%	63V
2147	5322	122	32268	470pF	10%	50V	2201	4822	122	32927	220nF	10%	63V
2148	4822	122	31727	470pF	5%	63V	2210	5322	122	32268	470pF	10%	50V
2149	5322	122	33537	1,2pF	5%	63V	2211	5322	122	32448	10pF	5%	50V
2153	5322	122	32654	22nF	10%	63V							